

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

01/26/2012

Larry Bates
Assistant District Attorney, Suffolk County

Dear ADA Bates,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED]
Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples # [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read "Annie Dookhan".

Annie Dookhan
Chemist
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6622

Khan, Annie (DPH)

From: Khan, Annie (DPH)
Sent: Thursday, January 12, 2012 12:12 PM
To: Bates, Larry (SUF); Corbett, Kate (DPH)
Subject: RE: Lab Notes and Summons BMC Docket Number [REDACTED]

Hi Larry,

Hope this email finds you well.

Upon reviewing this case, the Lab#s may be incorrect.

At your convenience, could you please check if these are the correct Lab#s?

Sorry for the inconvenience.

Thanks.

Annie
Drug Analysis Lab
617-983-6622 (work)
617-983-6625 (fax)

Lab#

Process of
elimination
ASD

From: Bates, Larry (SUF)
Sent: Wednesday, January 11, 2012 2:58 PM
To: Khan, Annie (DPH); Corbett, Kate (DPH)
Subject: Lab Notes and Summons BMC Docket Number [REDACTED]

Greetings Once More

Attached please find a summons for your appearance on the above given case at BMC for Feb 15.
Request is also made for you forward a copy of lab notes for case number [REDACTED]
and should you not be able to attend the court date, please notify me. Lastly, thank you for your assistance.

Larry Bates

1/26/2012

Corbett_email_PRR_000587

Curriculum Vitae

Annie Khan (Dookhan)

Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry

University of Massachusetts, Boston, Ma, Bachelor of Science

Major: Biochemistry

Minor: Economics

Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

*Writing of the Standard Operating Procedures (SOPs) and Protocols.

*Responsible for the Quality Control and Quality Assurance of analytical instruments, reagents and controls/standards.

*Maintenance and repairs of analytical instruments.

*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

*Qualified as an expert witness in Massachusetts Courts and U.S. District Court.

*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

*Appointed Assistant Analyst by Assistant Commissioner of Public Health.

*Notary Public.

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

*Completed proficiency training conducted by a member of the staff within the MBL Quality Control and Quality Assurance Department for the Food and Drug Administration.

*Method Development for creating new techniques for the QC Dept. and FDA.

*Writing, revising and reviewing the Standard Operating Procedures (SOPs).

*Trained and supervised new chemists and interns for the department.

*Routine QC testing of products for the FDA.

*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

*Complete testing of chemicals for Vendor Validation Project for the FDA.

*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

Additional Courses:

Department of Justice – Forensics Professionals

Introduction to Forensic Drug Chemistry

Chemical Spot Test and Mechanism for Illicit Drugs

Forensic Mass Spectrometry

Forensic Science 101: An Introduction

Fundamentals of Forensic Questioned Documents

Perspectives in Expert Testimony

Evidence Analysis

Ethics in Forensic Science

Transition to Leadership

Fundamentals of Forensic Toxicology

Additional Trainings:

Good Laboratory Practice/Good Manufacturing Practice (GLP/GMP) training with Massachusetts Biologic Laboratory.

Quality Control/Quality Assurance (QC/QA) training according to FDA Codes and Regulations.

Gas Chromatography (GC) and Gas Chromatography/Mass Spectrometry (GC/MS) trainings with Agilent Technologies and Restek.

High Power Liquid Chromatography (HPLC) and HPLC/MS/MS trainings with Waters Cooperation.

Fourier Transform Infrared Spectroscopy (FTIR) training with Spectros and Spectrum One.

Ultraviolet-Visible Spectroscopy (UV-Vis) training with Agilent Technologies and Beckman.

Total Organic Carbon Analyzer (TOC) training with MBL and Sievers.

Associations:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

Curriculum Vitae

Kate A. Corbett

Education

Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

Employment

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

Intern (March 2003 – August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units



DRUG RECEIPT

CC # [REDACTED]
BOOK # 67
PAGE # 6
DESTRUCTION # _____

District/Unit D-4 DCU
Name & Rank of Arresting Officer Sgt. Det. Keenan ID# 10652

DEFENDANT'S NAME

ADDRESS

CITY

STATE

DESCRIPTION OF ITEMS SUBMITTED

GROSS
QUANTITY

GROSS
WEIGHT

LAB USE ONLY

ANALYSIS
NUMBER

White rock (crack cocaine)

2 p/b's

4.36g

White pills (800 mg Gabapentin)

40 pills

20.29g

Tan powder (Heroin)

46 G/B's

57.89g

To be completed by ECU personnel only

Name and Rank of Submitting Officer Sybil White ID# 11049

Received by [Signature] Date 2-3-11

ECU Control # _____

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Date Analyzed: 2/10/11

Amount: Subst: SUB
No. Cont: 2 Cont: pb
Date Rec'd: 02/03/2011
Gross Wt.: 4.36

No. Analyzed: 1
Net Weight: 0.16
Tests: 6 ASD
• 20AC

Prelim: cocaine (E)

Findings: Cocaine

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Date Analyzed: 03-26-11

Amount: 40.0
No. Cont: 1 Cont: pb
Date Rec'd: 02/03/2011
Gross Wt.: 20.29

Subst: TAB

No. Analyzed:
Net Weight:
Tests: 1A + 2L ASD

Prelim: E

Findings: gabapentin

No. [REDACTED]
City: Boston D.C.U. Police Dept.
Officer: P.O. SYBIL WHITE
Def: [REDACTED]

Date Analyzed: 2/16/11

Amount:
No. Cont: 46 Cont: gb
Date Rec'd: 02/03/2011
Gross Wt.: 57.89

Subst: SUB

No. Analyzed: 5
Net Weight: 0.86
Tests: 25 ASD
• 10KAC

Prelim: Heroin

Findings: Heroin

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY Boston ANALYST ADJ

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

off white chunky substance
in 2 pbs

Gross Wt (2): 0.3721

Gross Wt (1): 0.2126

Pkg. Wt:

Net Wt: 0.1640

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate (-) +

Marquis -

Froehde's -

Mecke's -

Microcrystalline Tests

Gold
Chloride +

TLTA (-) +

OTHER TESTS

PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 2-8-11

GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS
OPERATOR KAC

DATE 2-10-11

DRUG POWDER ANALYSIS FORM

SAMPLE [REDACTED] AGENCY Boston ANALYST ASD

No. of samples tested: Evidence Wt.

PHYSICAL DESCRIPTION:

40 white oval tablet
in 1 pb

Gross Wt ():

Gross Wt ():

Pkg. Wt:

Net Wt: 51.2288

84444 800

PRELIMINARY TESTS

Spot Tests

Cobalt
Thiocyanate ()

Marquis

Froehde's

Mecke's

Microcrystalline Tests

Gold
Chloride

TLTA ()

OTHER TESTS

Microscopic 91P

PRELIMINARY TEST RESULTS

RESULTS gabapentin

DATE 3-26-11

GC/MS CONFIRMATORY TEST

RESULTS

MS
OPERATOR

DATE

Drug Information

DRUG NAME: GABAPENTIN

INGREDIENTS: GABAPENTIN -- 800 MG

Color: White

Shape: Oval

Imprint: 4444 The tablet is debossed with a hourglass logo and 4444 on one side and 800 on the reverse side. , Hourglass 4444 800 The tablet is debossed with a hourglass logo and 4444 on one side and 800 on the reverse side. , 800

Form: Oral Tablet

Available-Container-Size: Bottle of 100 , Bottle of 500 , Strip of 100 , Bottle of 1000

AAPCC Code: 077730 - Other Types of Anticonvulsant (Excluding Barbiturates)

NDC: 0093-4444-01

0093-4444-05

0172-4444-60

0172-4444-70

0172-4444-10

Excipients: Lactose (Monohydrate) ; Cellulose, Microcrystalline ; Polyethylene Glycol

Regulatory Status: RX

Availability: United States

Product ID 6738350

Contact: Teva Pharmaceuticals

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DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Boston ANALYST ASN

No. of samples tested: 5

Evidence Wt. ✓

PHYSICAL DESCRIPTION:

Beige powdered substance
in 46 gbs

1 gb empty → not weighed.

Gross Wt (45): 9.7000

Gross Wt (5): 1.0902

Pkg. Wt: _____

Net Wt: _____

PRELIMINARY TESTS

Spot Tests

Cobalt
S Thiocyanate (+) _____
S Marquis + _____
S Froehde's + _____
S Mecke's + _____

Microcrystalline Tests

Gold
Chloride _____
TLTA () _____

OTHER TESTS

SGC+

PRELIMINARY TEST RESULTS

RESULTS Heroin

DATE 2-08-11

GC/MS CONFIRMATORY TEST

RESULTS Heroin

MS
OPERATOR ICAC

DATE 2-16-11

Sample #

samples tested: 5

| # | Gross Weight | Packet Weight | Net Weight | # | Gross Weight | Packet Weight | Net Weight |
|----|--------------|---------------|------------|----|--------------|---------------|------------|
| 1 | 0.2187 | 0.1957 | 0.0180 | 26 | | | |
| 2 | 0.2143 | 0.2007 | 0.0136 | 27 | | | |
| 3 | 0.2164 | 0.1989 | 0.0175 | 28 | | | |
| 4 | 0.2311 | 0.2021 | 0.0290 | 29 | | | |
| 5 | 0.2227 | 0.2063 | 0.0164 | 30 | | | |
| 6 | | | | 31 | | | |
| 7 | | | | 32 | | | |
| 8 | | | | 33 | | | |
| 9 | | | | 34 | | | |
| 10 | | | | 35 | | | |
| 11 | | | | 36 | | | |
| 12 | | | | 37 | | | |
| 13 | | | | 38 | | | |
| 14 | | | | 39 | | | |
| 15 | | | | 40 | | | |
| 16 | | | | 41 | | | |
| 17 | | | | 42 | | | |
| 18 | | | | 43 | | | |
| 19 | | | | 44 | | | |
| 20 | | | | 45 | | | |
| 21 | | | | 46 | | | |
| 22 | | | | 47 | | | |
| 23 | | | | 48 | | | |
| 24 | | | | 49 | | | |
| 25 | | | | 50 | | | |

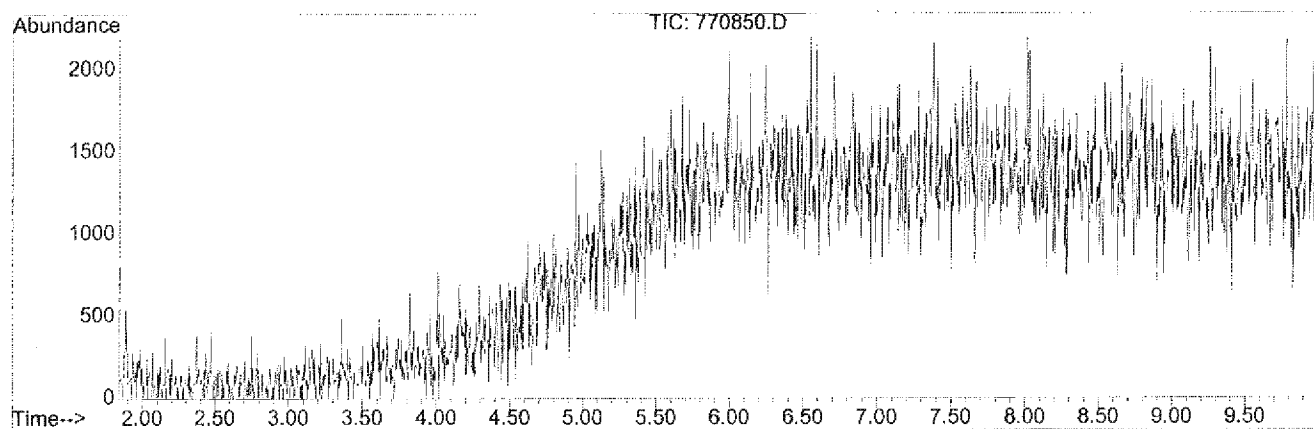
Calculations:

$$\begin{aligned} \text{Est Net wt} &= 0.0945 / 5 = 0.0189(46) \\ &= 0.8694 \end{aligned}$$

✓ KAC
1/25/12

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770850.D
Operator : SLD
Date Acquired : 9 Feb 2011 21:22
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS
Integrator : RTE



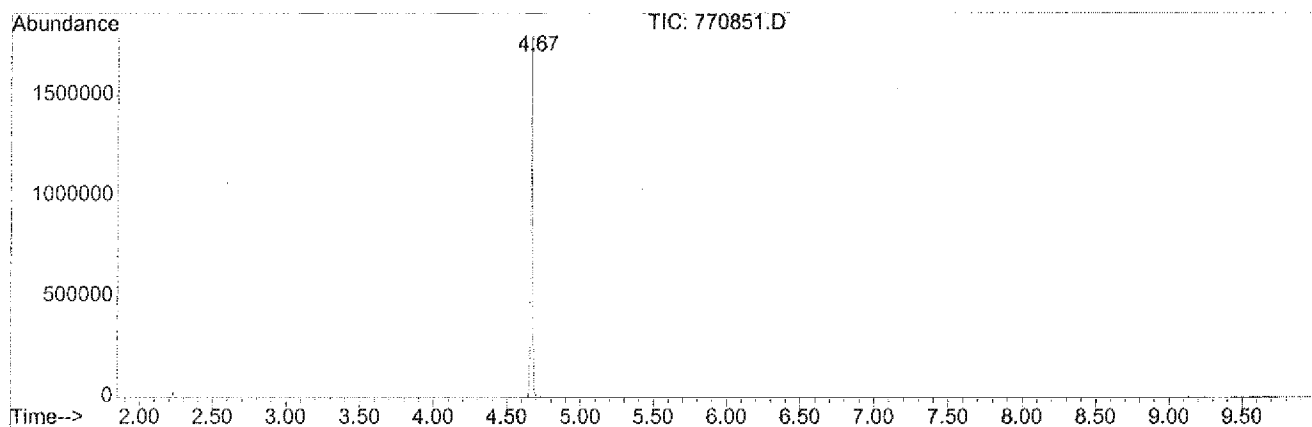
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770851.D
 Operator : SLD
 Date Acquired : 9 Feb 2011 21:35
 Sample Name : COCAINE STD
 Submitted by :
 Vial Number : 51
 AcquisitionMeth: DRUGS
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.666 | 1636731 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

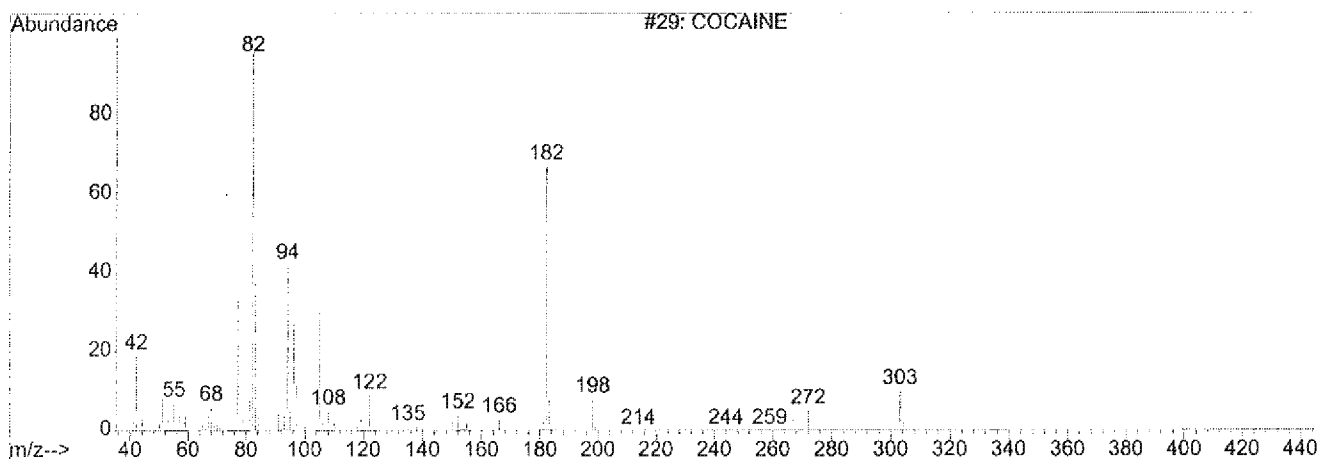
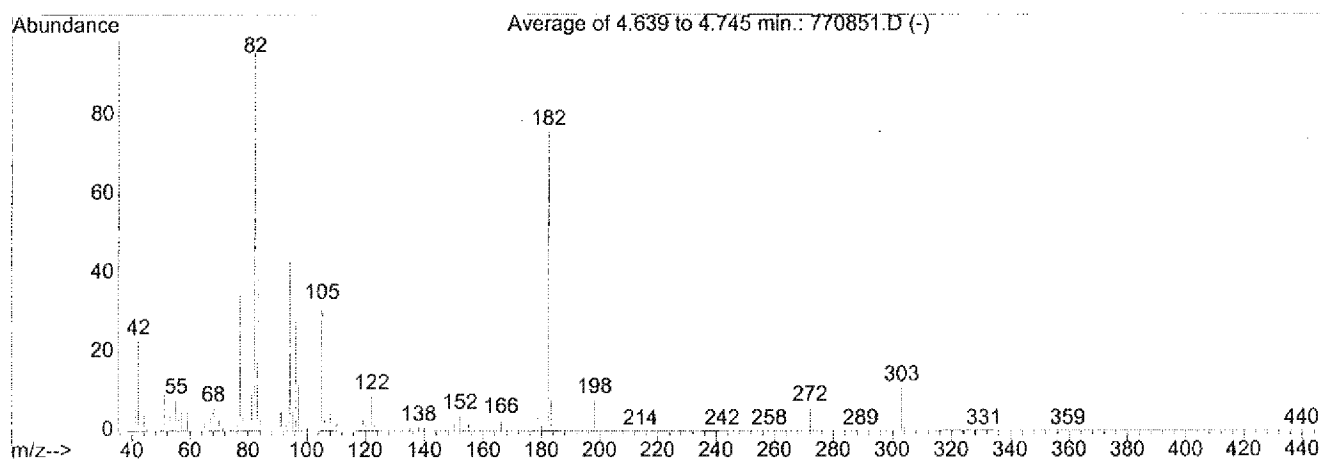
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File Name       : D:\SYSTEM4\02_09_11\770851.D
Operator        : SLD
Date Acquired   : 9 Feb 2011 21:35
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 51
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

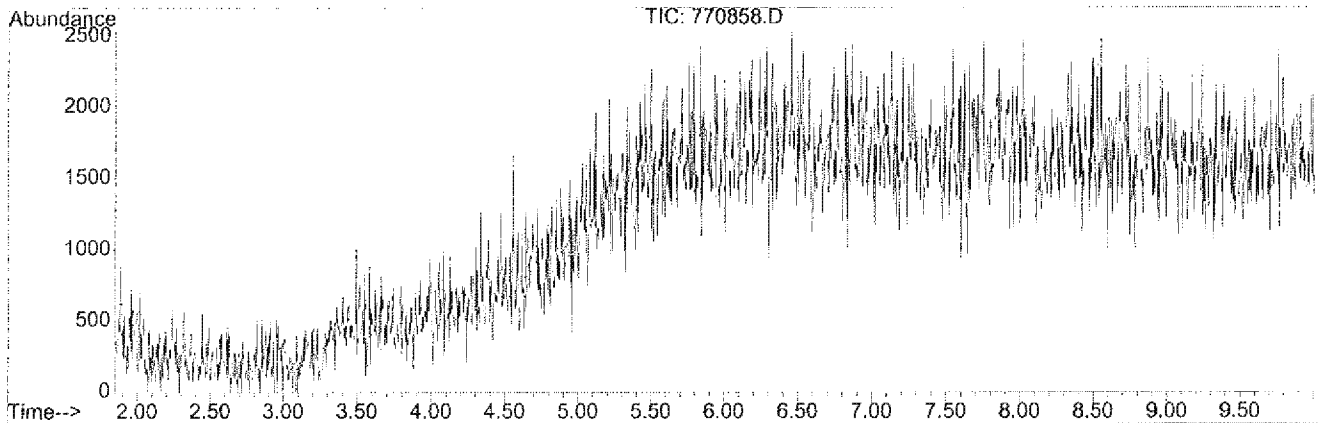
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 1 | 4.67 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770858.D
Operator : SLD
Date Acquired : 9 Feb 2011 23:12
Sample Name : BLANK
Submitted by : ASD
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



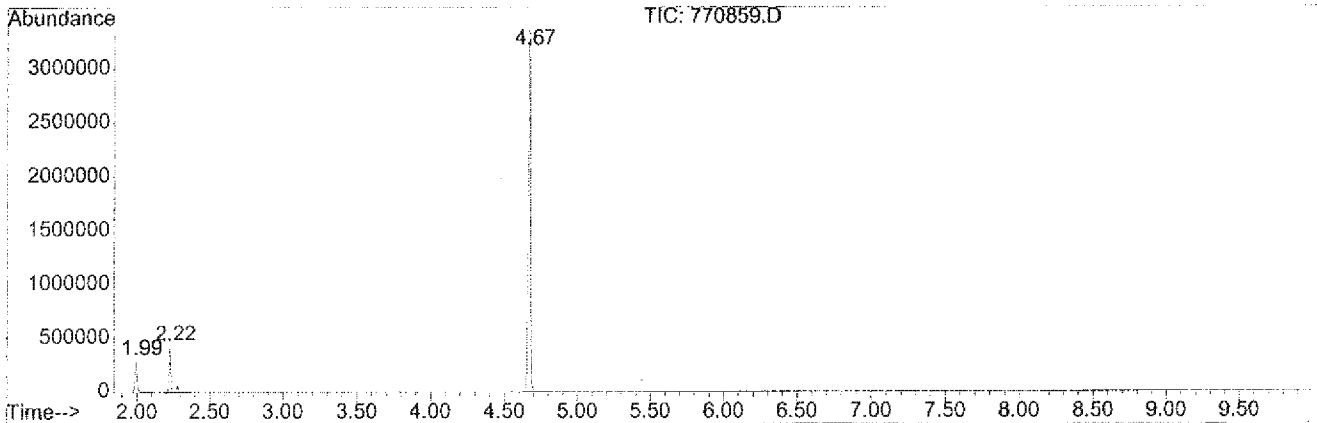
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770859.D
 Operator : SLD
 Date Acquired : 9 Feb 2011 23:26
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 59
 AcquisitionMeth: DRUGS
 Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 1.992 | 295989 | 6.99 | 8.31 |
| 2.225 | 372895 | 8.81 | 10.46 |
| 4.668 | 3563840 | 84.20 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

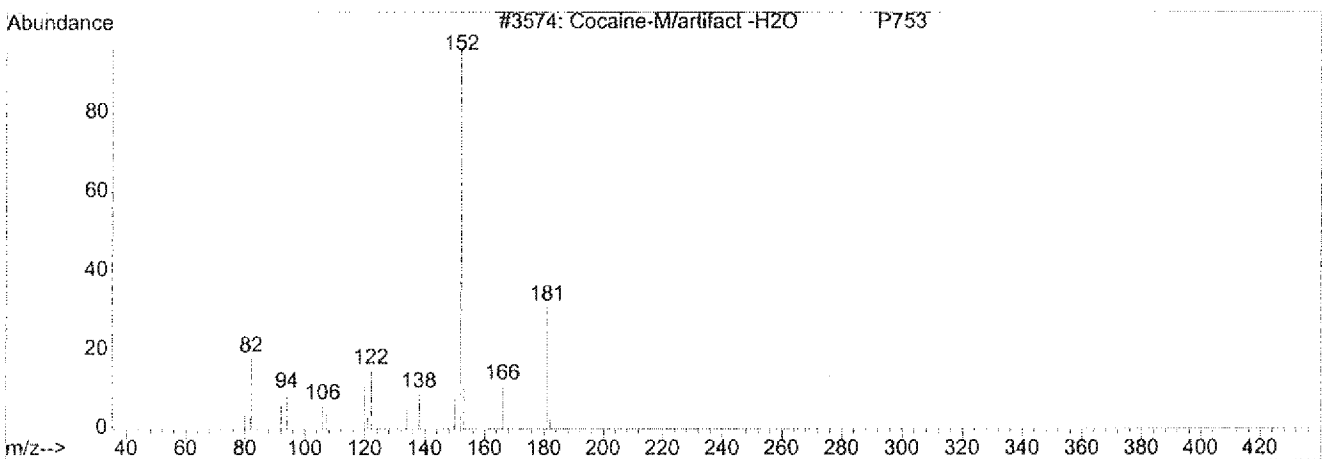
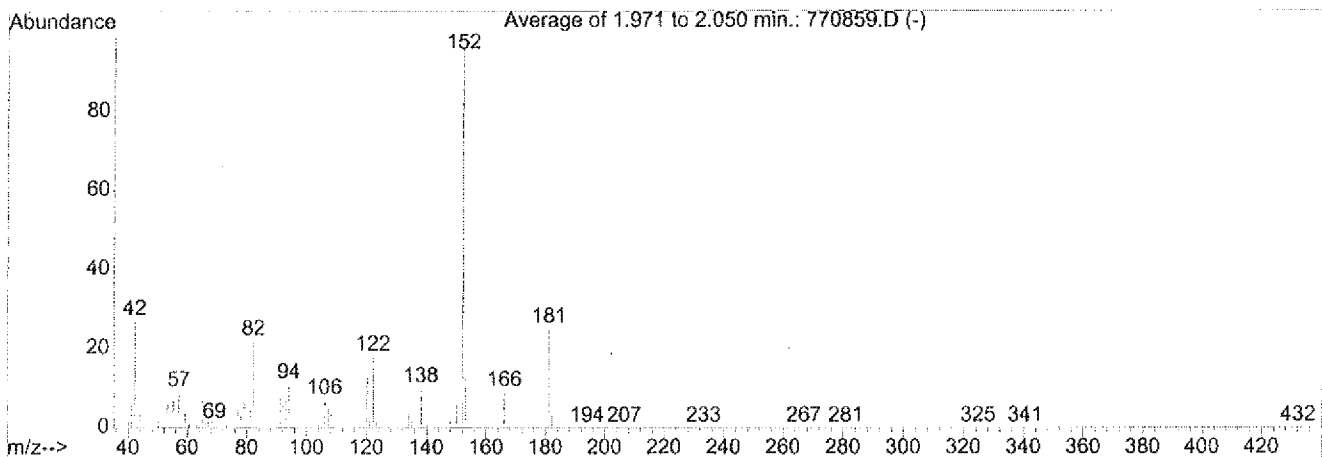
```

File Name       : D:\SYSTEM4\02_09_11\770859.D
Operator        : SLD
Date Acquired   : 9 Feb 2011 23:26
Sample Name     : 
Submitted by    : ASD
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------------|-------------|------|
| 1 | 1.99 | C:\DATABASE\PMW_TOX2.L | | |
| | | Cocaine-M/artifact -H2O | 000000-00-0 | 96 |
| | | MDA-M (desmethylenyl-methyl-) ME @ | 000000-00-0 | 37 |
| | | Metipranolol-M/artifact AC | 000000-00-0 | 32 |



Area Percent / Library Search Report

Information from Data File:

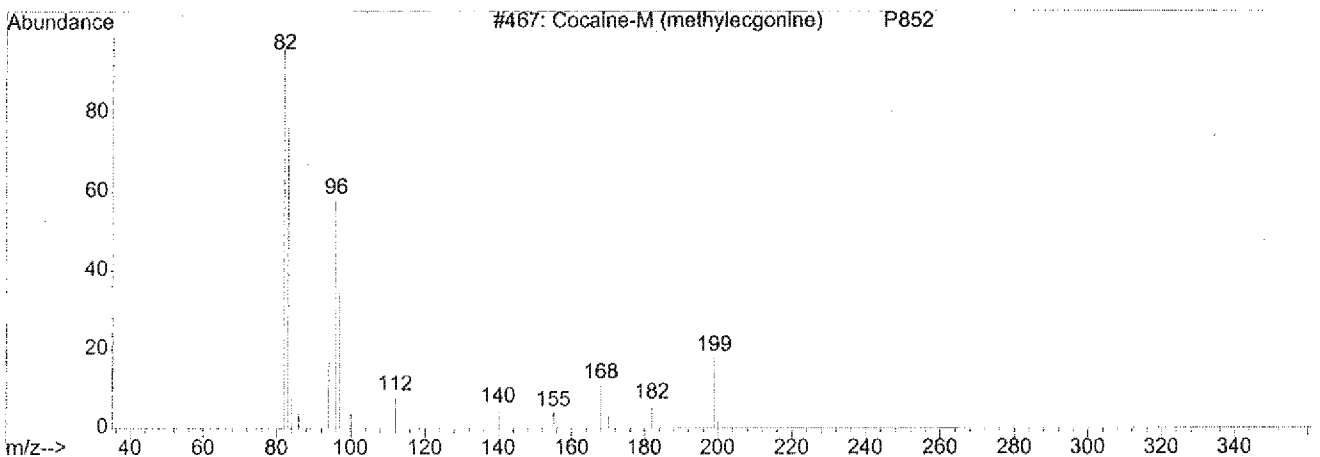
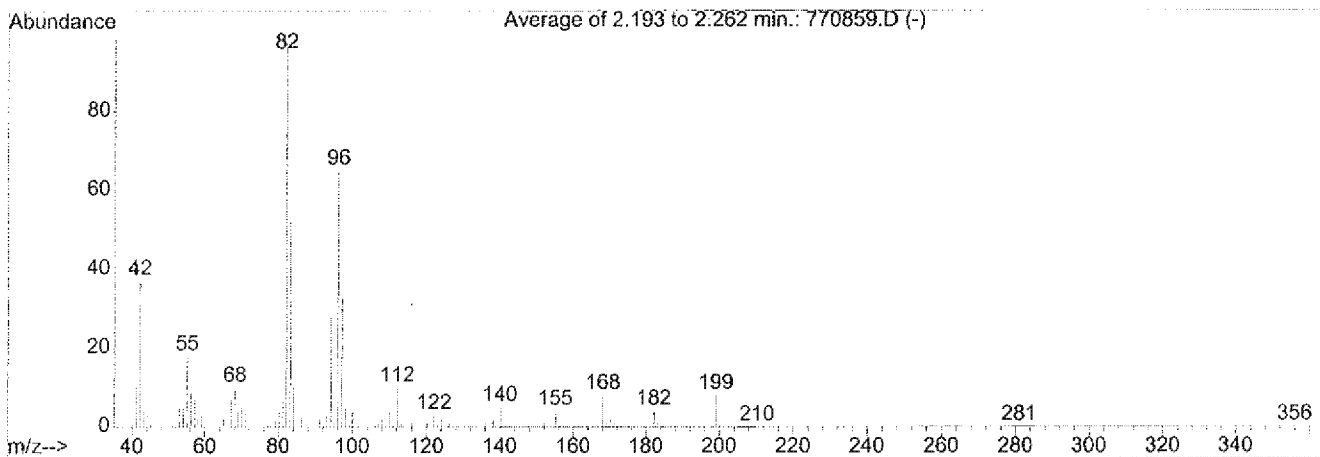
```

File Name       : D:\SYSTEM4\02_09_11\770859.D
Operator        : SLD
Date Acquired   : 9 Feb 2011 23:26
Sample Name     : ████████████████
Submitted by    : ASD
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------|-------------|------|
| 2 | 2.22 | C:\DATABASE\PMW_TOX2.L | | |
| | | Cocaine-M (methylecgonine) | 007143-09-1 | 96 |
| | | Cocaine | 000050-36-2 | 38 |
| | | Cocaine-M (methylecgonine) AC | 000000-00-0 | 9 |



Area Percent / Library Search Report

Information from Data File:

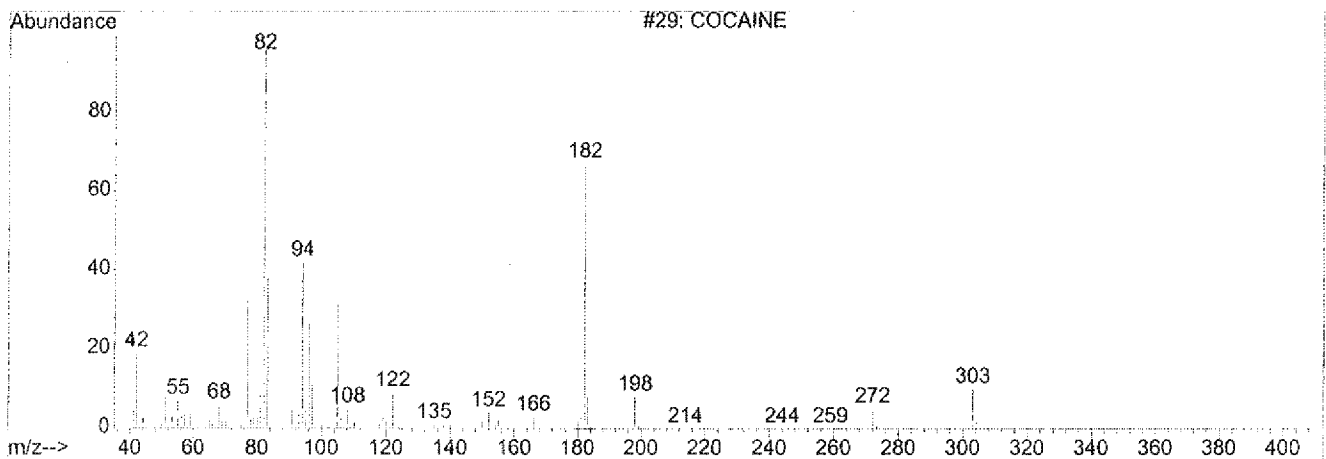
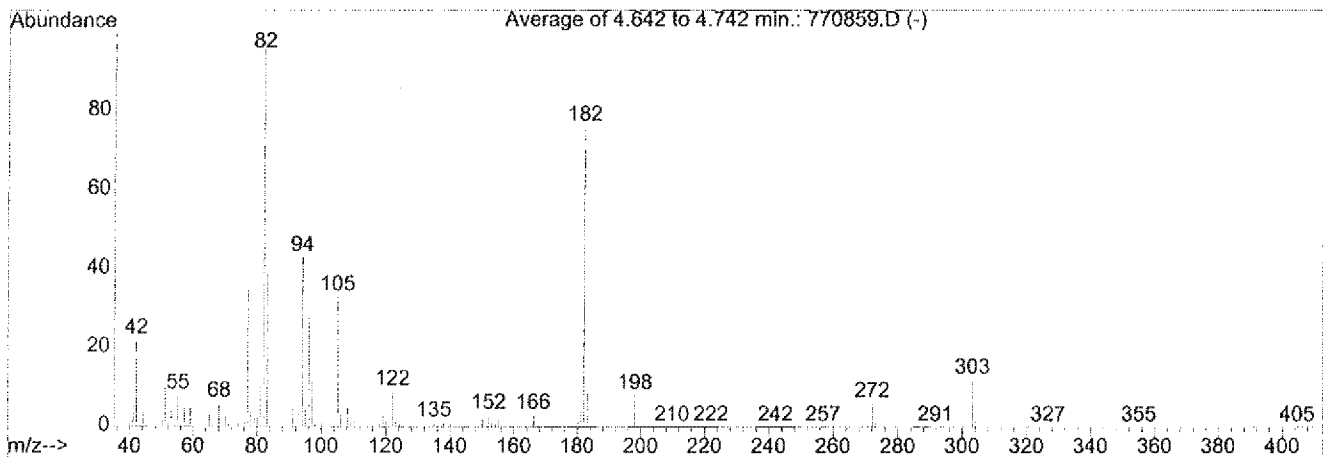
```

File Name       : D:\SYSTEM4\02_09_11\770859.D
Operator        : SLD
Date Acquired   : 9 Feb 2011 23:26
Sample Name     : 
Submitted by    : 
Vial Number     : 59
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

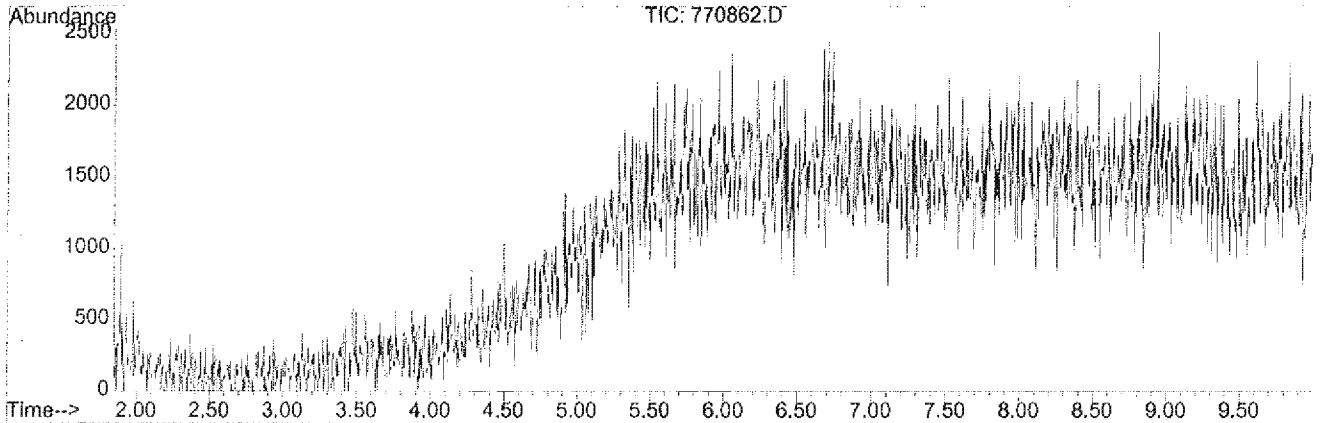
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 3 | 4.67 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770862.D
Operator : SLD
Date Acquired : 10 Feb 2011 00:07
Sample Name : BLANK
Submitted by :
Vial Number : 2
AcquisitionMeth: DRUGS
Integrator : RTE



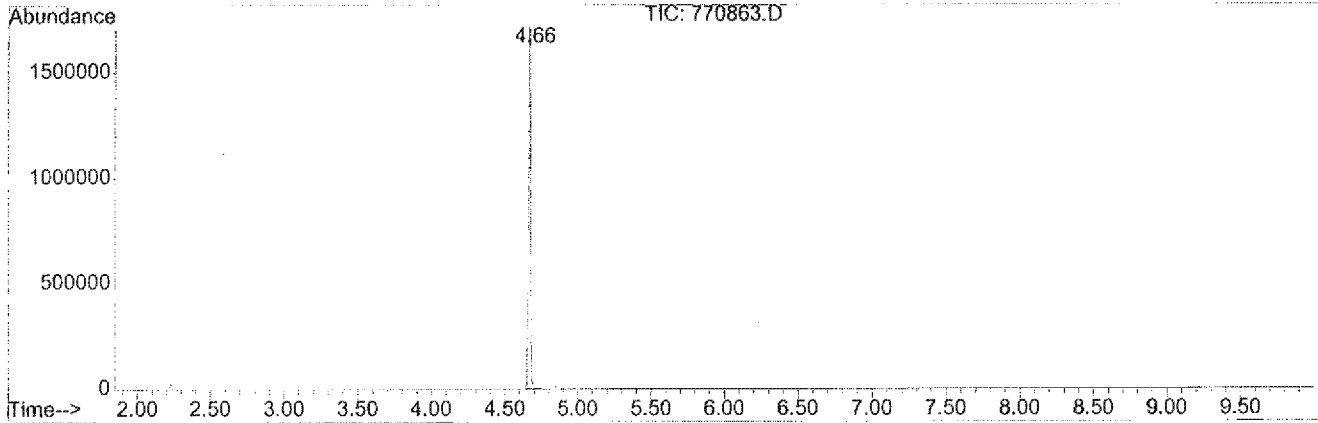
| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:

File Name : D:\SYSTEM4\02_09_11\770863.D
Operator : SLD
Date Acquired : 10 Feb 2011 00:21
Sample Name : COCAINE STD
Submitted by :
Vial Number : 51
AcquisitionMeth: DRUGS
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.663 | 1728398 | 100.00 | 100.00 |

Area Percent / Library Search Report

Information from Data File:

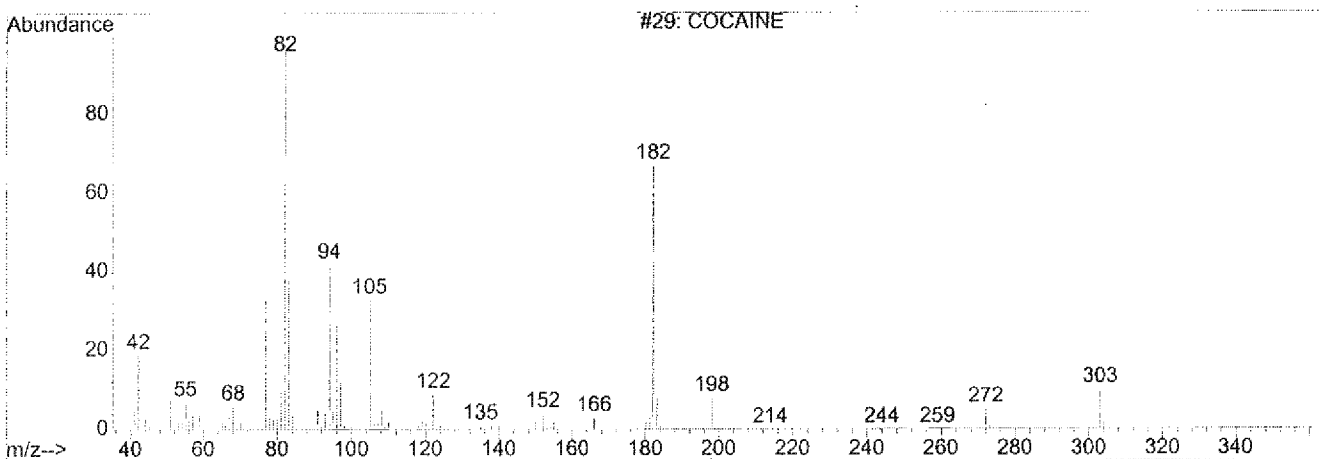
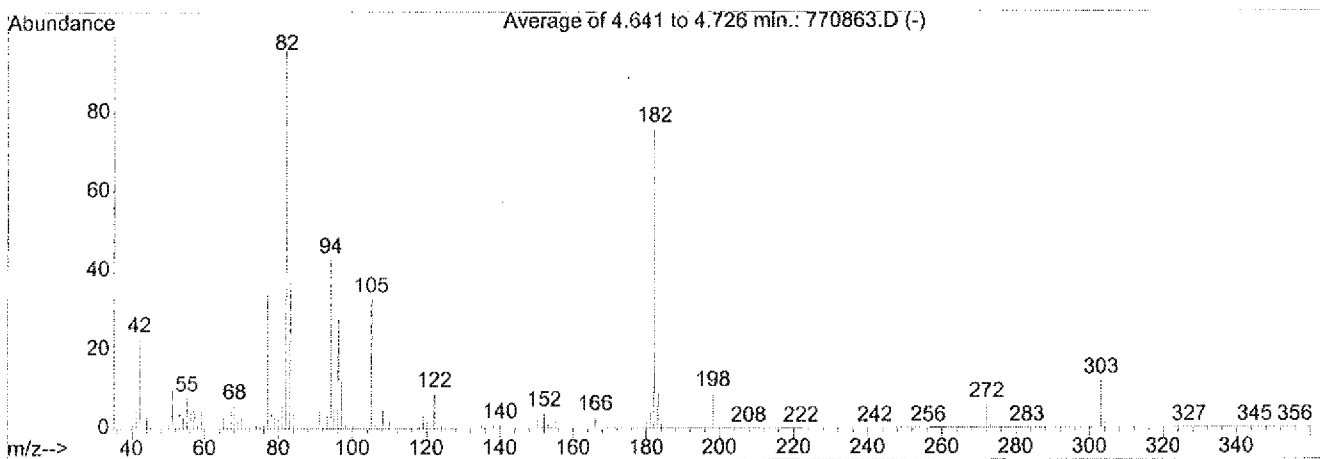
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File Name       : D:\SYSTEM4\02_09_11\770863.D
Operator        : SLD
Date Acquired   : 10 Feb 2011  00:21
Sample Name     : COCAINE STD
Submitted by    :
Vial Number     : 51
AcquisitionMeth : DRUGS
Integrator      : RTE
  
```

```

Search Libraries: C:\DATABASE\SLI.L           Minimum Quality: 90
                  C:\DATABASE\PMW_TOX2.L      Minimum Quality: 90
                  C:\DATABASE\NIST98.L
  
```

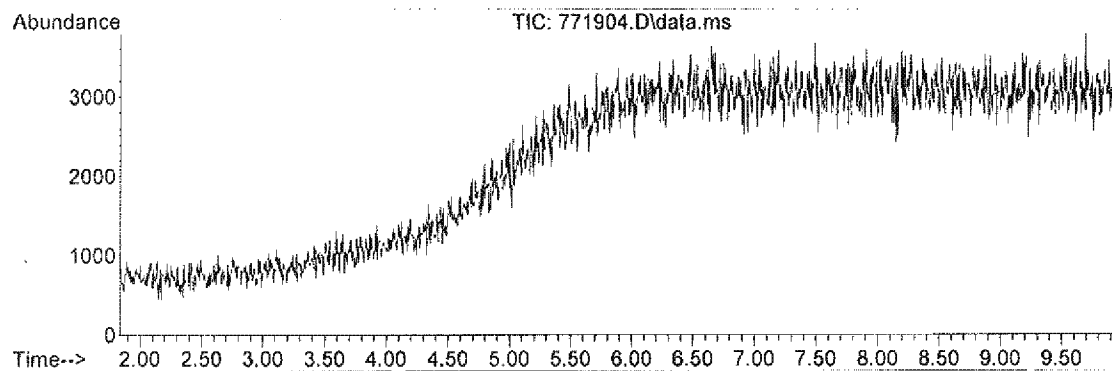
| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------------|-------------|------|
| 1 | 4.66 | C:\DATABASE\SLI.L COCAINE | 000050-36-2 | 99 |



✓KAC
1/25/12

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771904.D
Operator : KAC
Date Acquired : 15 Feb 2011 9:25
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

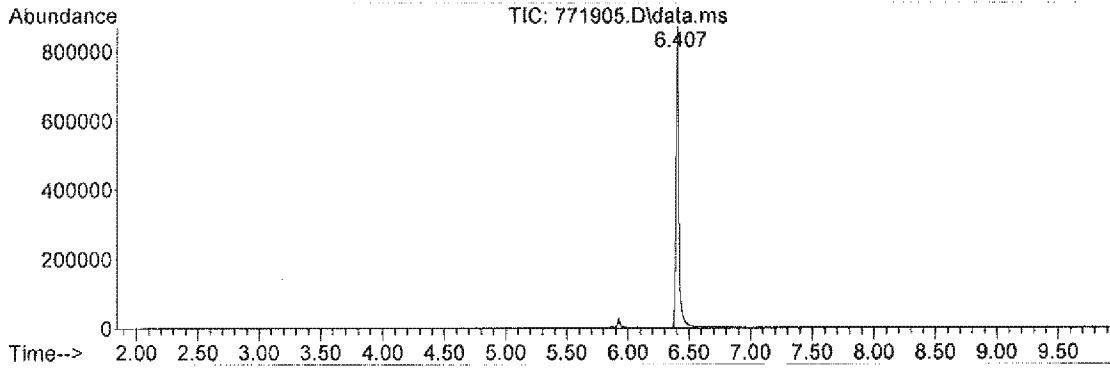


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771905.D
 Operator : KAC
 Date Acquired : 15 Feb 2011 9:38
 Sample Name : HEROIN STD
 Submitted by :
 Vial Number : 5
 AcquisitionMeth: DRUGS.M
 Integrator : RTE



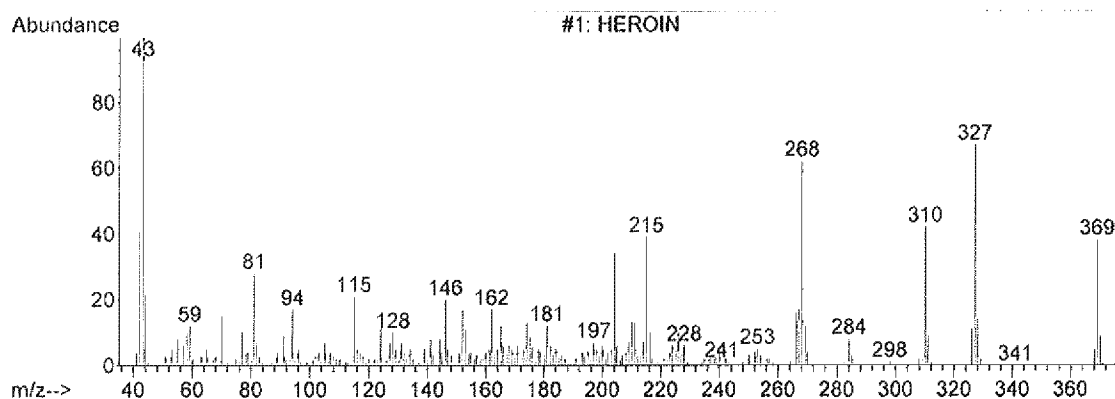
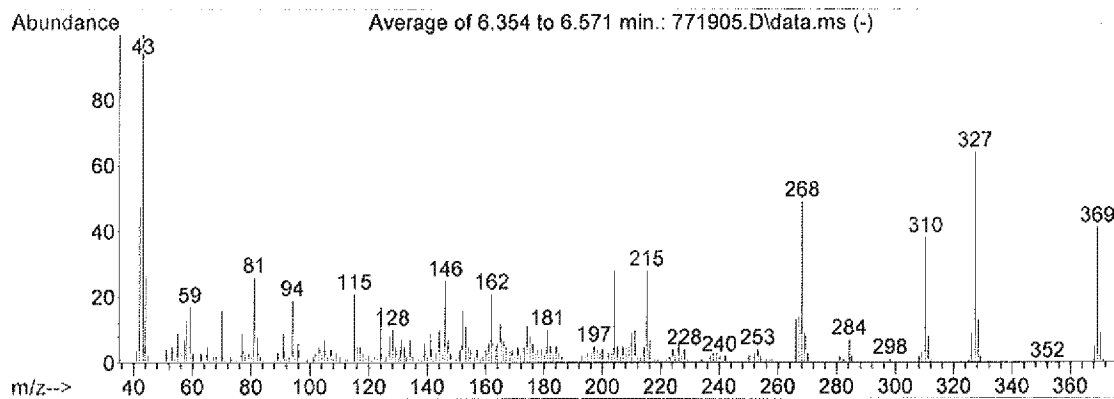
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 6.407 | 1376028 | 100.00 | 100.00 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771905.D
Operator : KAC
Date Acquired : 15 Feb 2011 9:38
Sample Name : HEROIN STD
Submitted by :
Vial Number : 5
AcquisitionMeth: DRUGS.M
Integrator : RTE

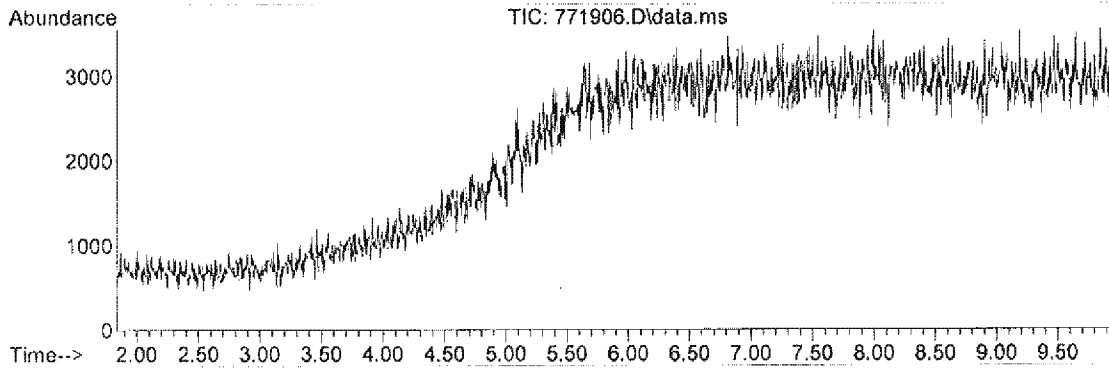
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.41 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771906.D
Operator : KAC
Date Acquired : 15 Feb 2011 9:51
Sample Name : BLANK
Submitted by : ASD
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

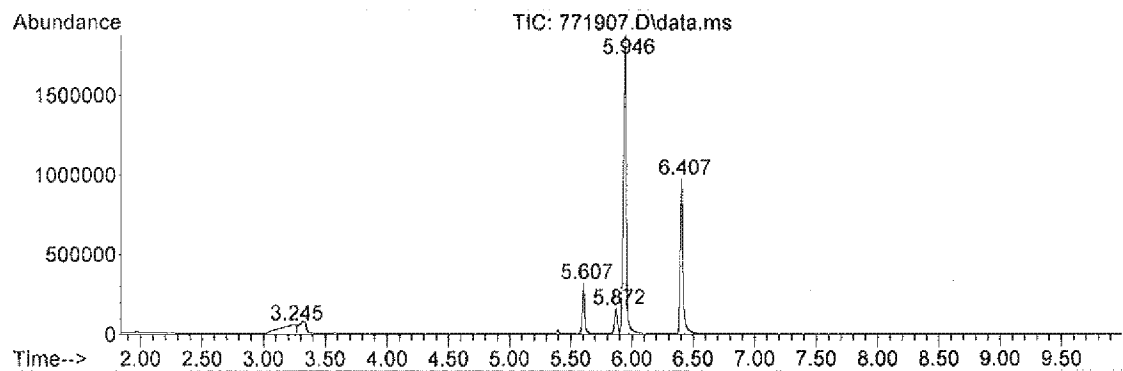


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE



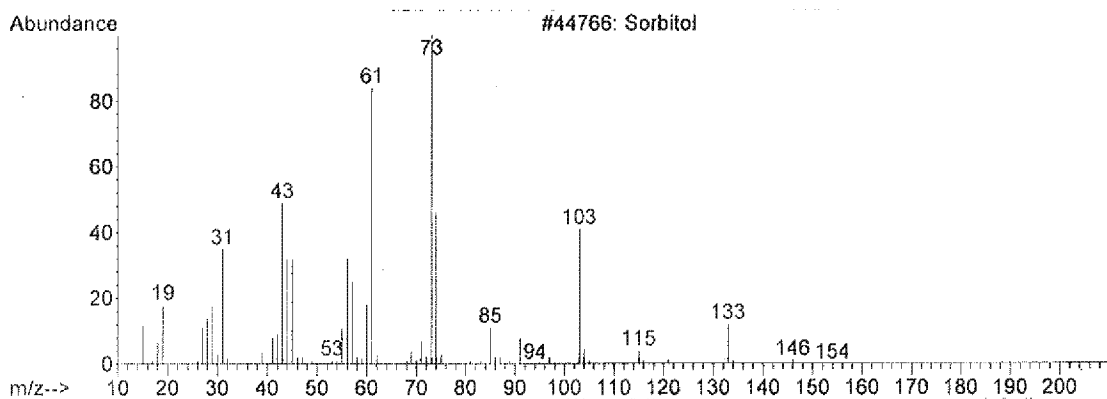
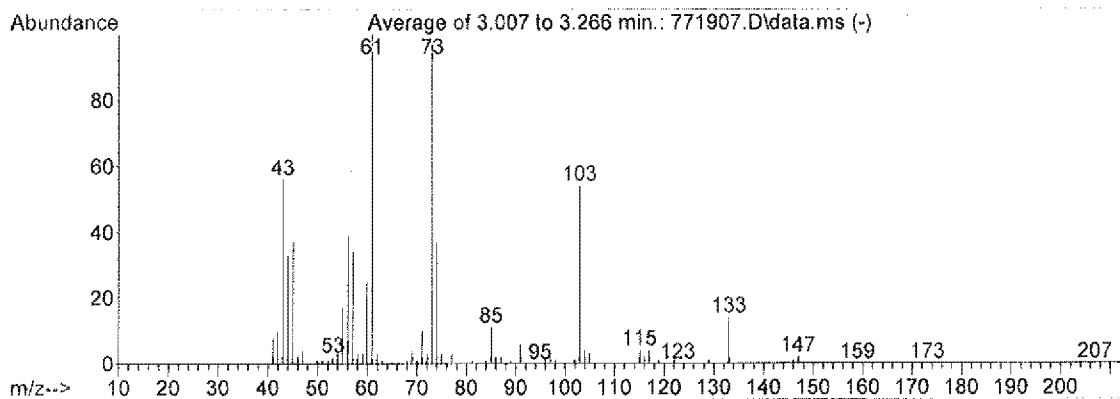
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.245 | 512102 | 8.71 | 16.45 |
| 5.607 | 440354 | 7.49 | 14.15 |
| 5.872 | 247462 | 4.21 | 7.95 |
| 5.946 | 3112744 | 52.91 | 100.00 |
| 6.407 | 1570135 | 26.69 | 50.44 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : B11-01290-1
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.25 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 87 |
| | | Sorbitol | 000050-70-4 | 86 |
| | | Sorbitol | 000050-70-4 | 80 |

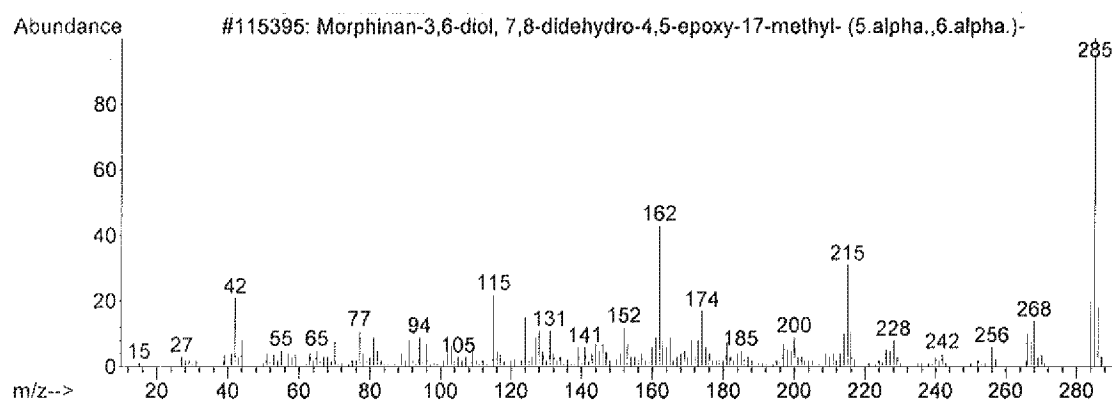
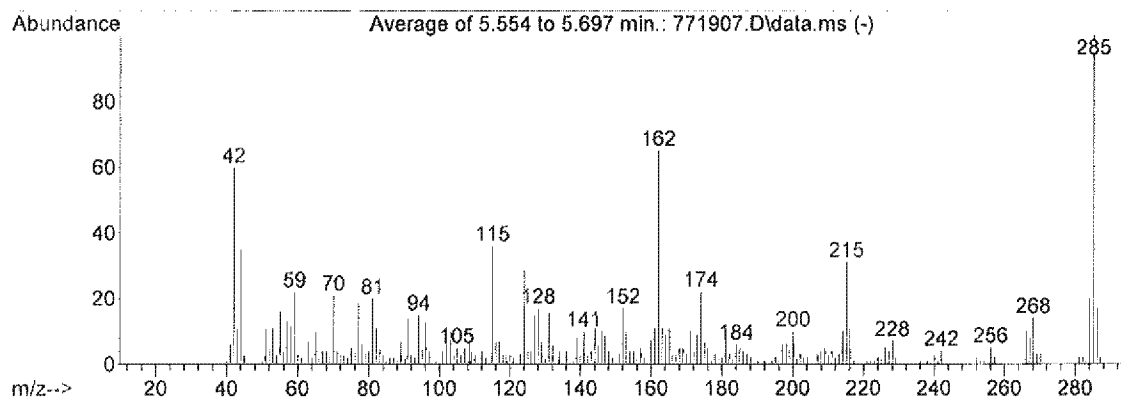


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

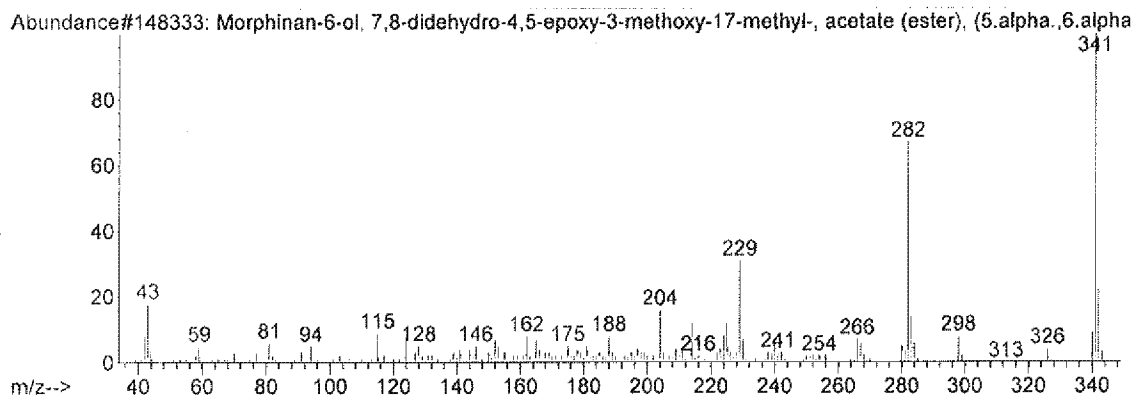
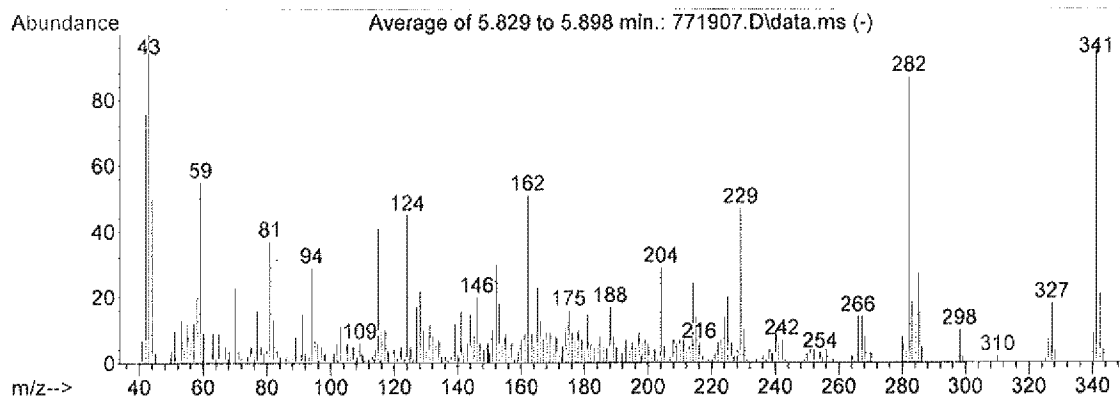


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 97 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 97 |
| | | Morphin, 3-acetyl- | 1000153-00-1 | 92 |

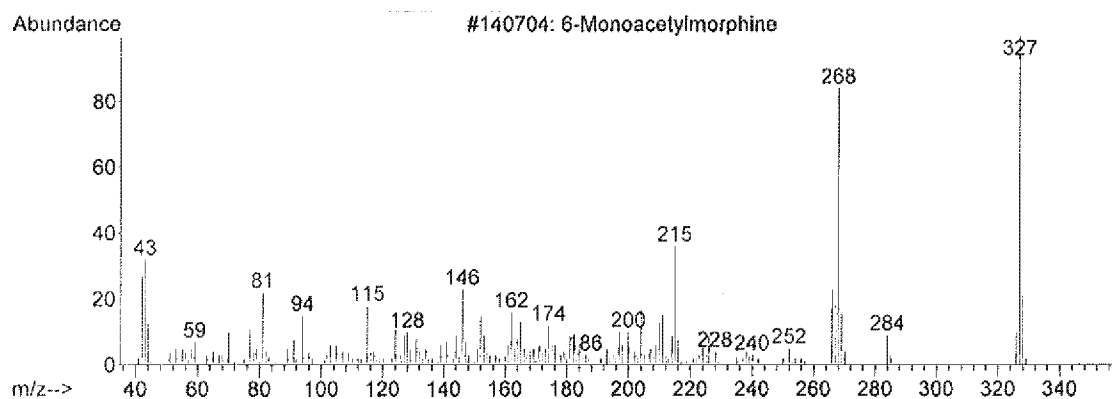
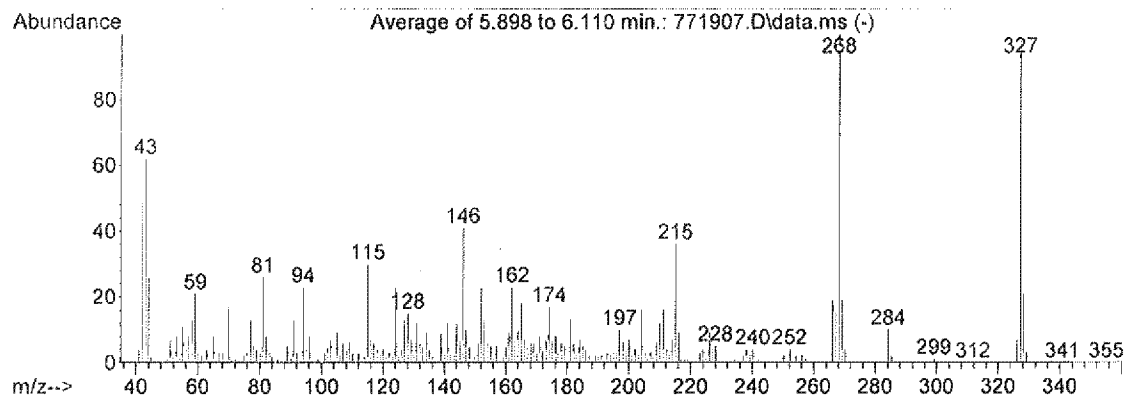


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

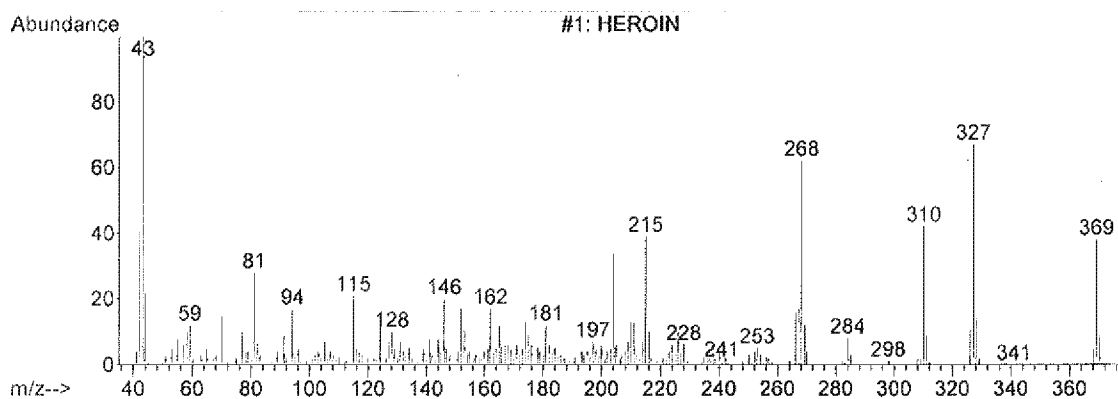
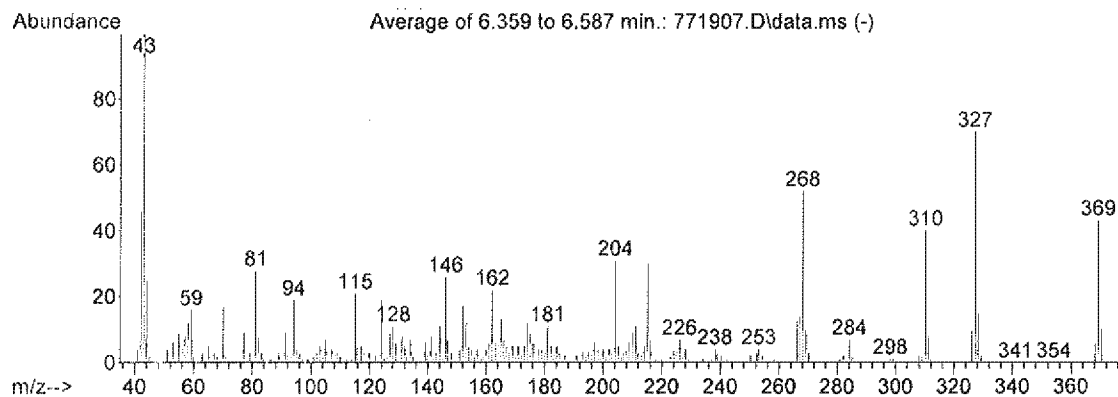


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771907.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:03
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 7
AcquisitionMeth: DRUGS.M
Integrator : RTE

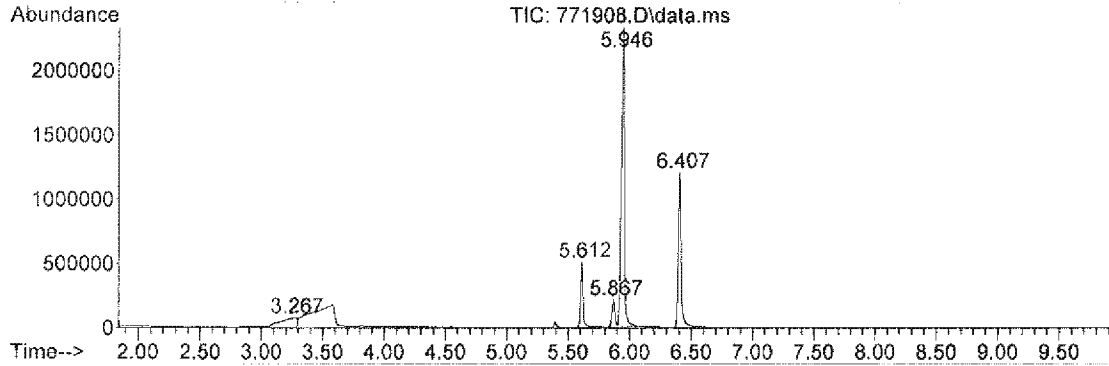
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE



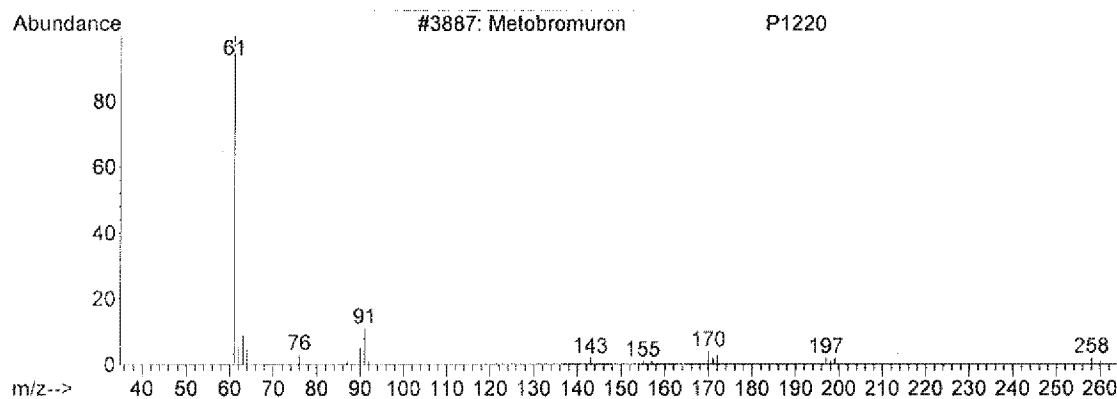
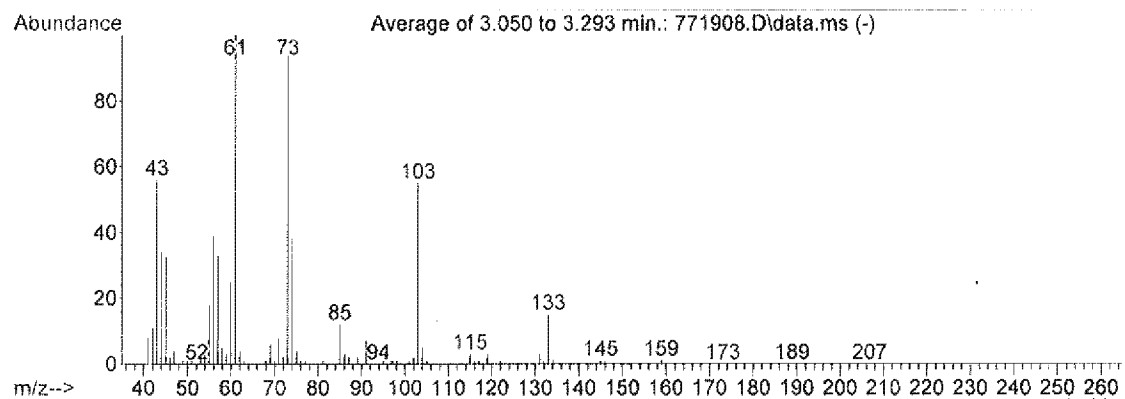
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.267 | 629037 | 8.12 | 15.08 |
| 5.612 | 699390 | 9.03 | 16.76 |
| 5.867 | 334629 | 4.32 | 8.02 |
| 5.946 | 4172296 | 53.88 | 100.00 |
| 6.407 | 1908470 | 24.65 | 45.74 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|------------------------|-------------|------|
| 1 | 3.27 | C:\Database\PMW_TOX2.L | | |
| | | Metobromuron | 003060-89-7 | 4 |
| | | Myristic acid | 000544-63-8 | 2 |
| | | Monolinuron | 001746-81-2 | 2 |

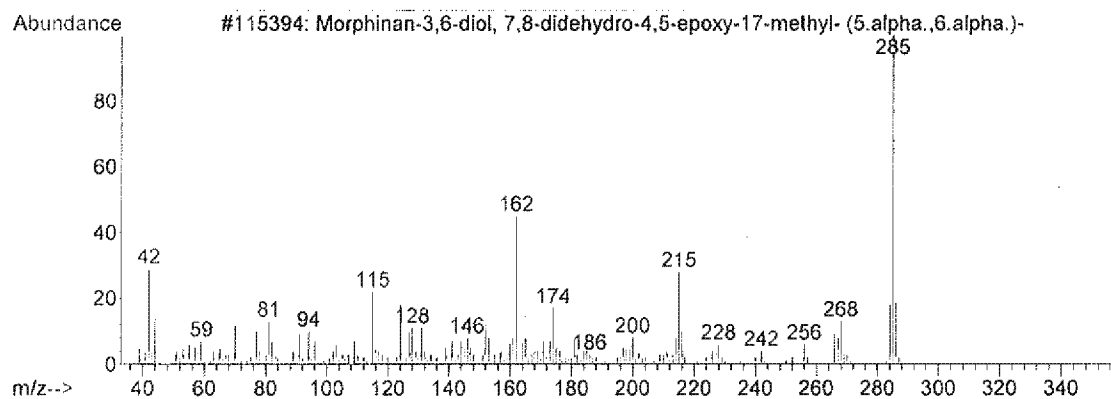
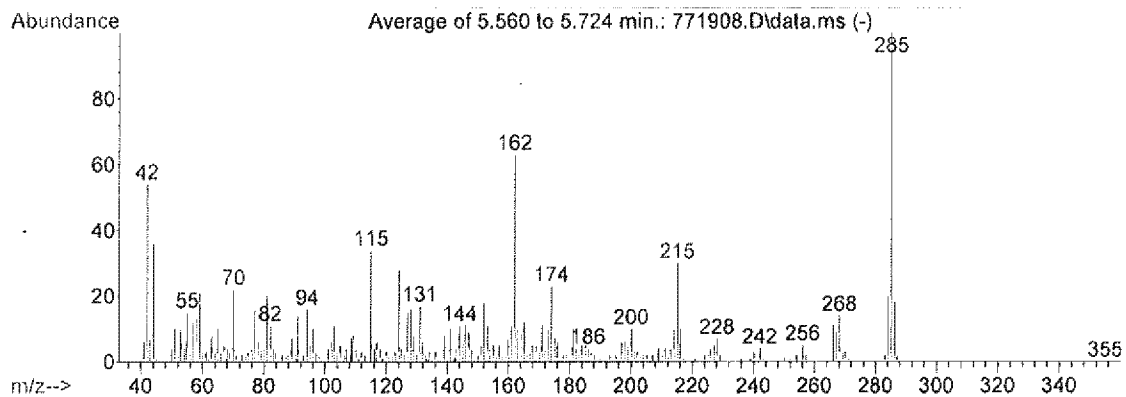


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

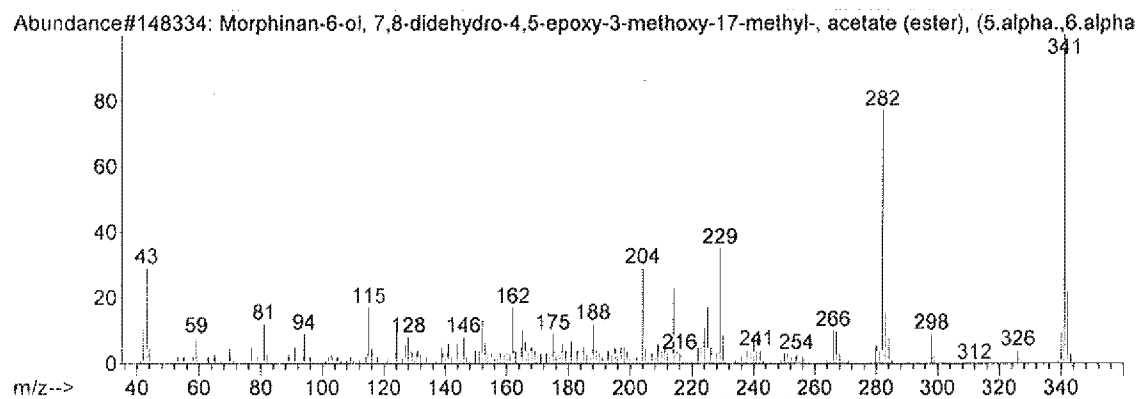
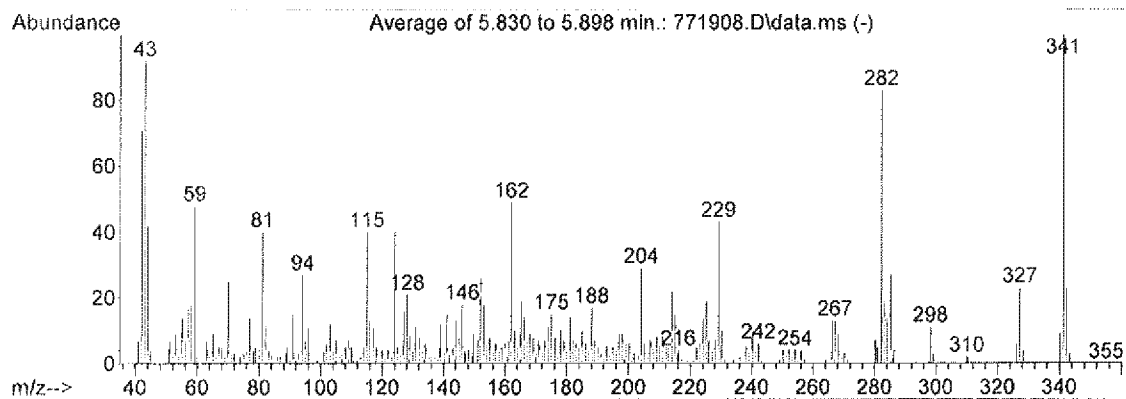


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Acetylcodein | 1000153-00-2 | 98 |

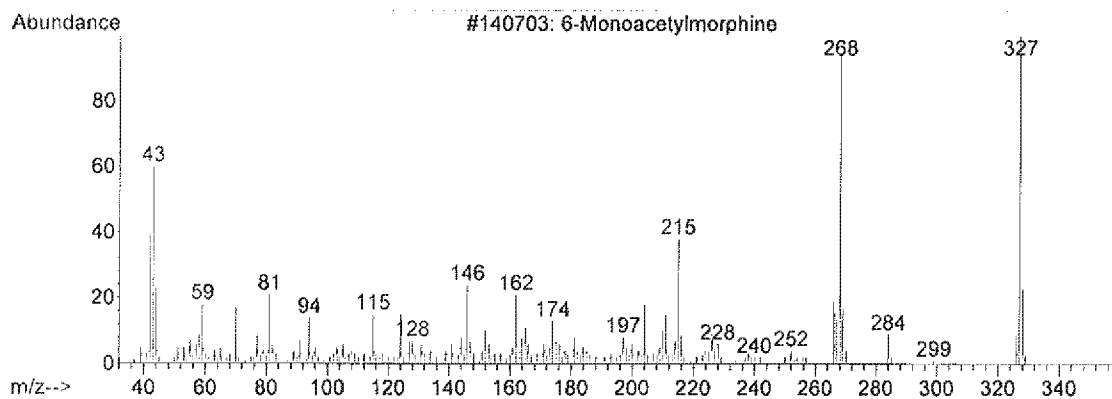
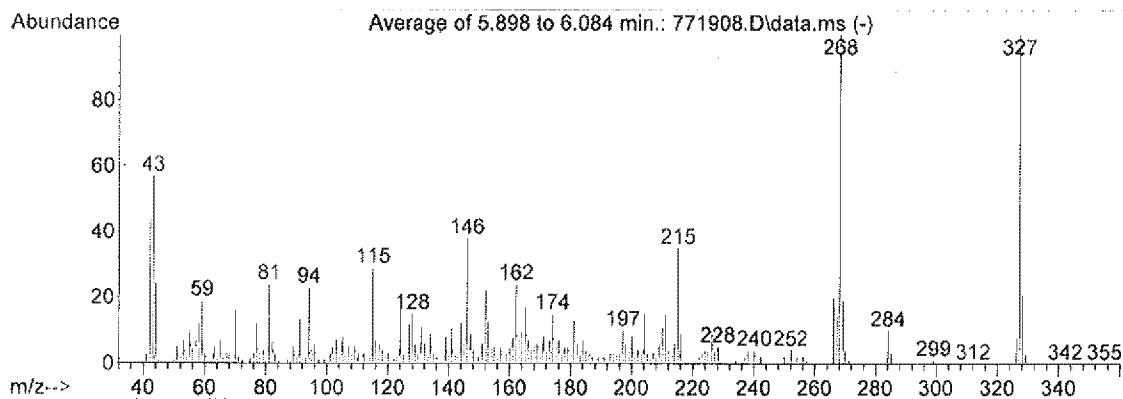


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

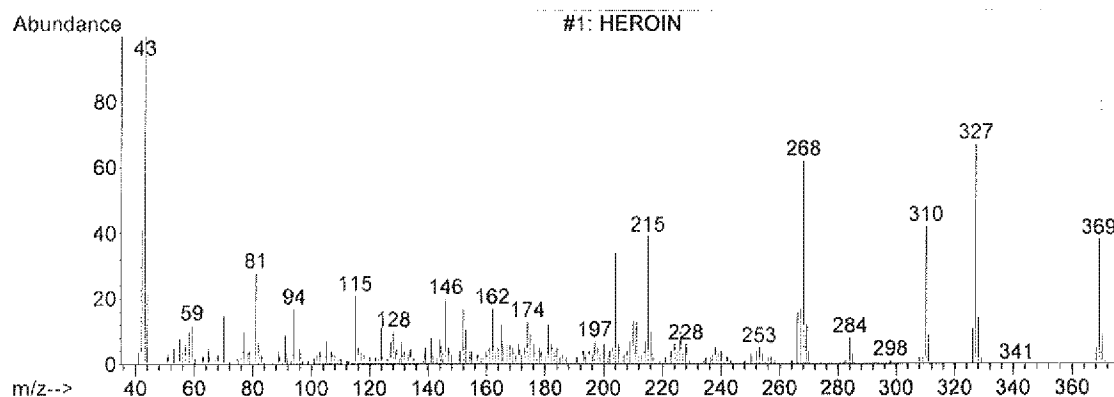
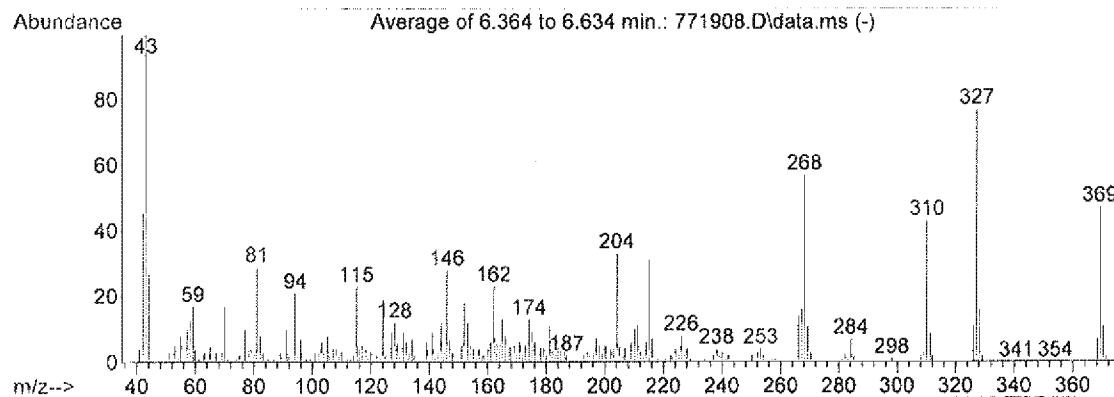


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771908.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:16
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 8
AcquisitionMeth: DRUGS.M
Integrator : RTE

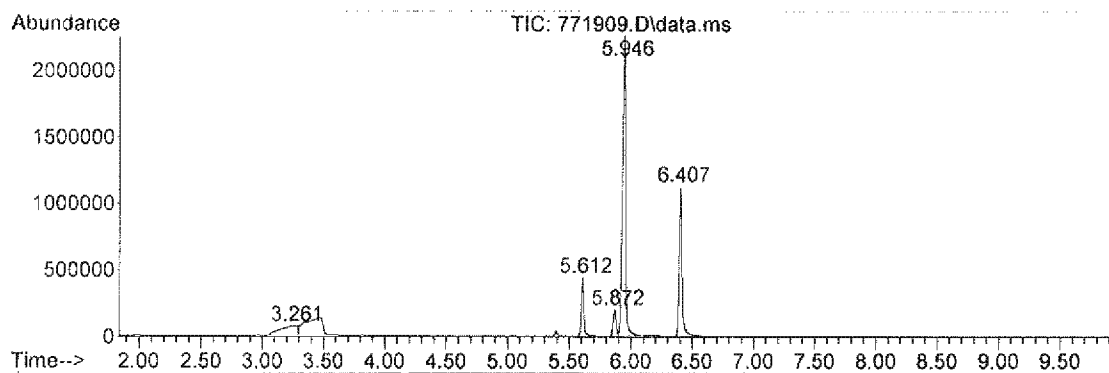
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | JWH-073 | 208987-48-8 | 2 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE



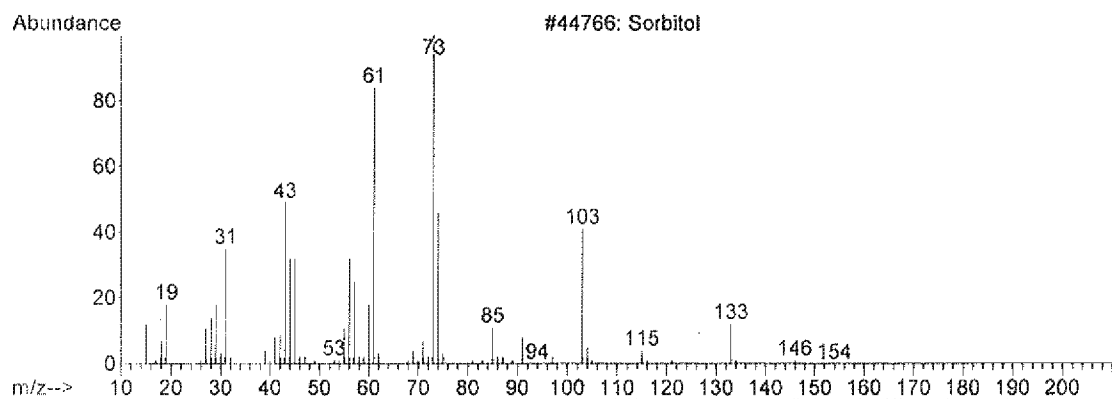
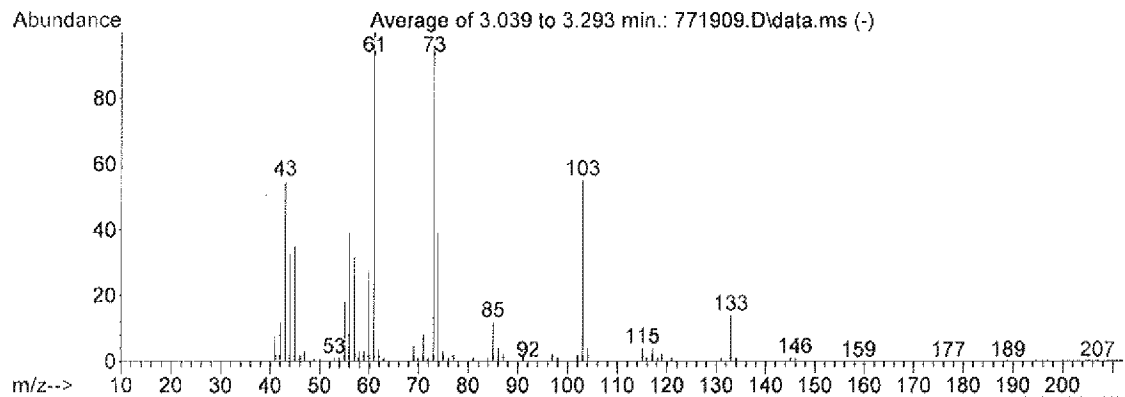
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.261 | 724023 | 9.61 | 18.01 |
| 5.613 | 634422 | 8.42 | 15.78 |
| 5.872 | 325760 | 4.32 | 8.10 |
| 5.946 | 4020959 | 53.36 | 100.00 |
| 6.407 | 1830160 | 24.29 | 45.52 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.26 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 87 |
| | | D-Mannitol | 000069-65-8 | 78 |
| | | Sorbitol | 000050-70-4 | 64 |

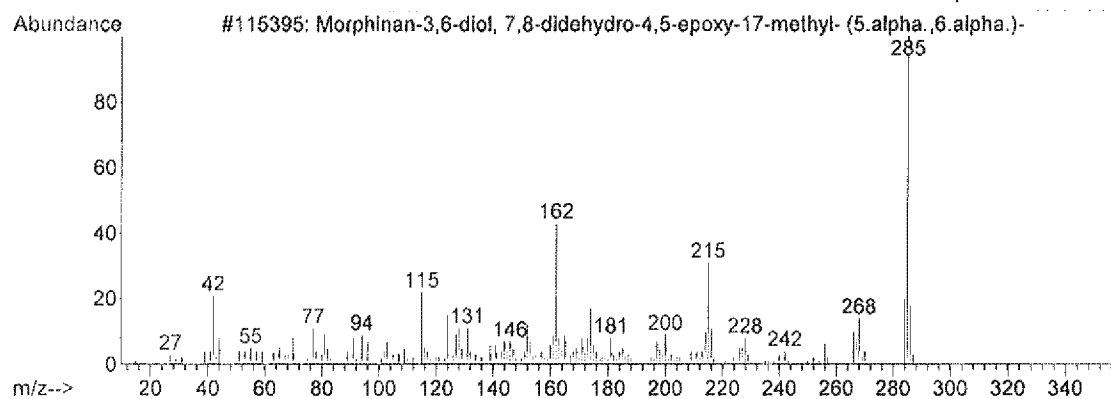
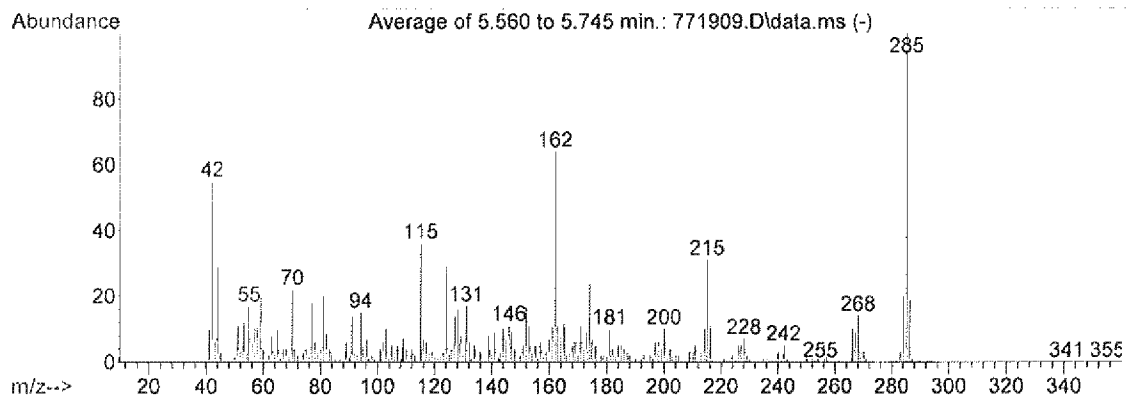


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : XXXXXXXXXX
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

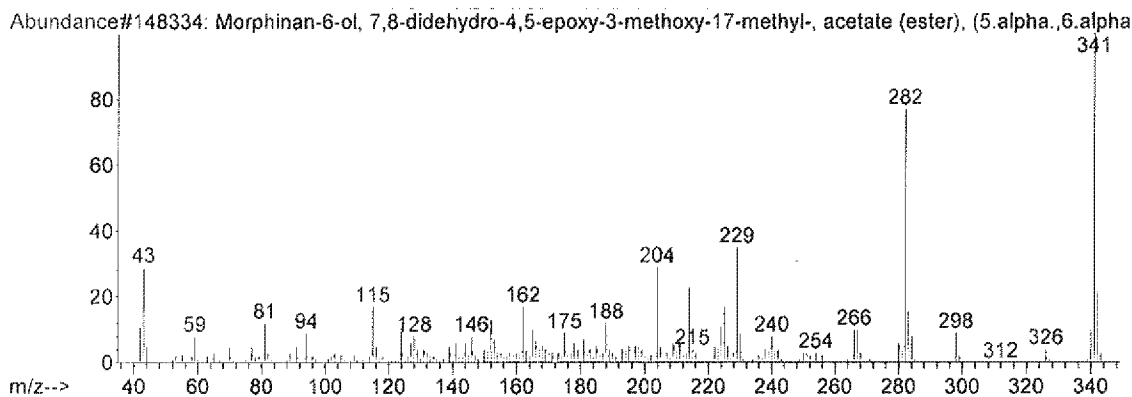
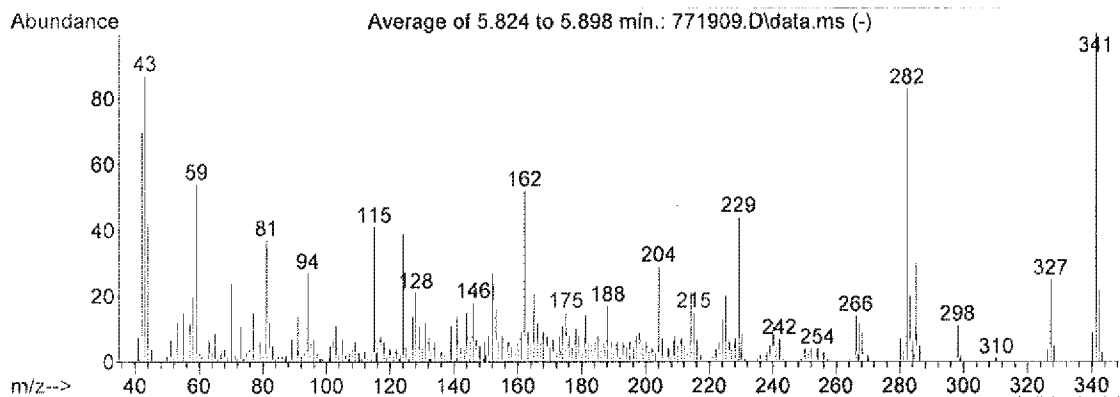


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Acetylcodein | 1000153-00-2 | 95 |



Information from Data File:

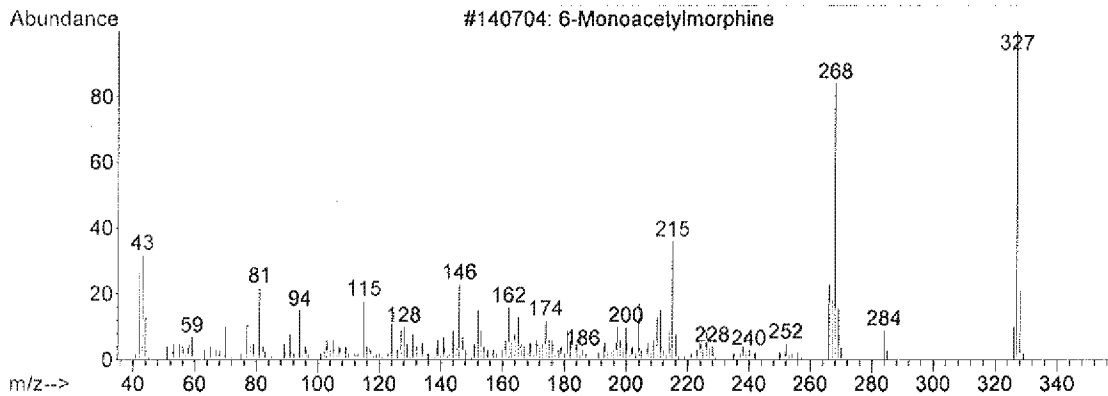
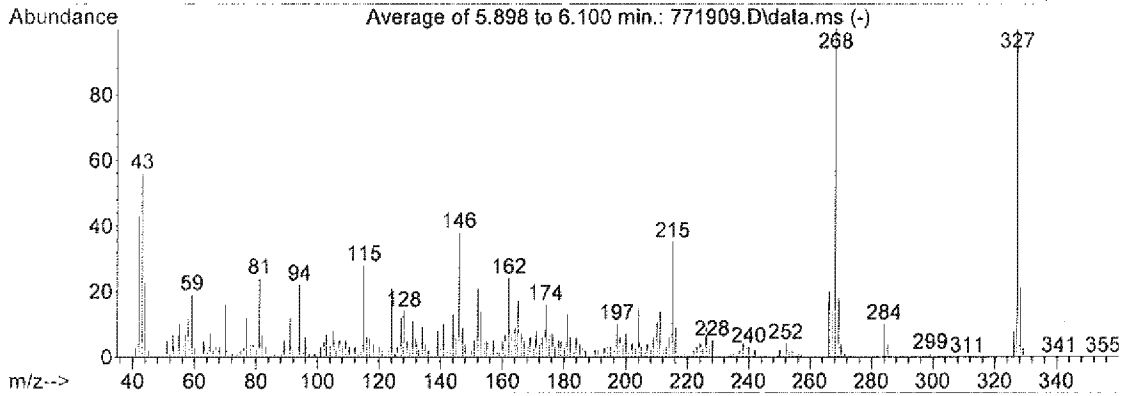
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File Name       : F:\Q1-2011\System7\02_15_11\771909.D
Operator        : KAC
Date Acquired   : 15 Feb 2011  10:28
Sample Name     : 
Submitted by    : ASD
Vial Number     : 9
AcquisitionMeth : DRUGS.M
Integrator      : RTE
  
```

```

Search Libraries: C:\Database\SLI.L           Minimum Quality: 80
                  C:\Database\NIST05a.L       Minimum Quality: 80
                  C:\Database\PMW_TOX2.L
  
```

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

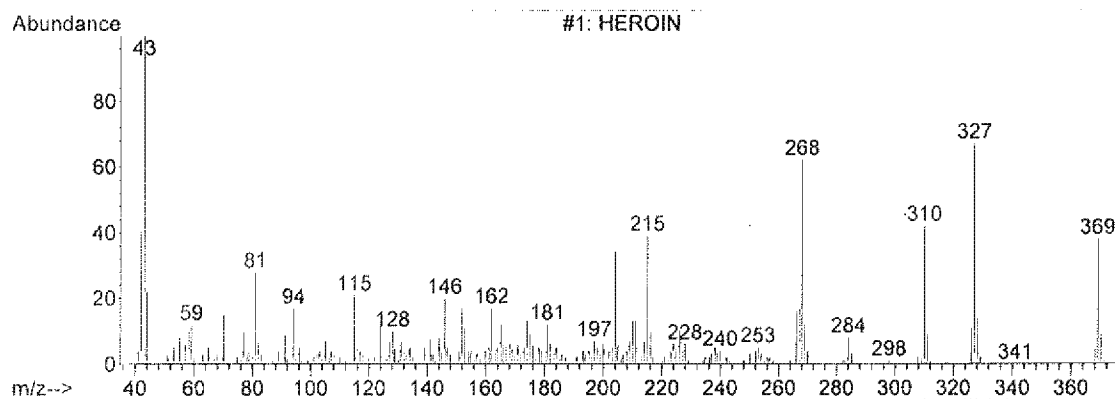
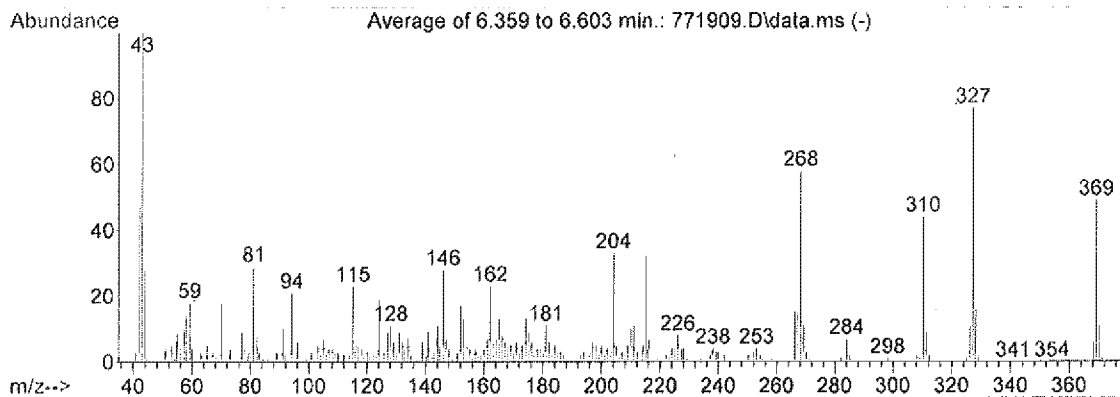


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771909.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:28
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 9
AcquisitionMeth: DRUGS.M
Integrator : RTE

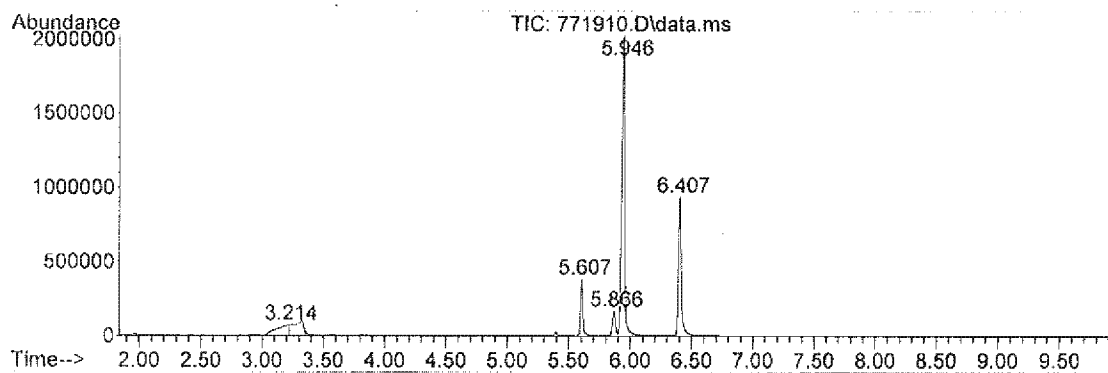
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | JWH-073 | 208987-48-8 | 2 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE



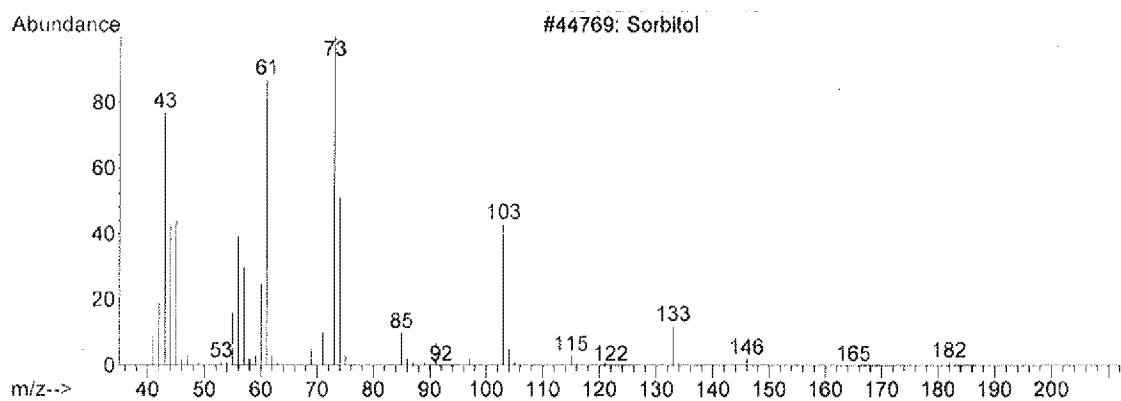
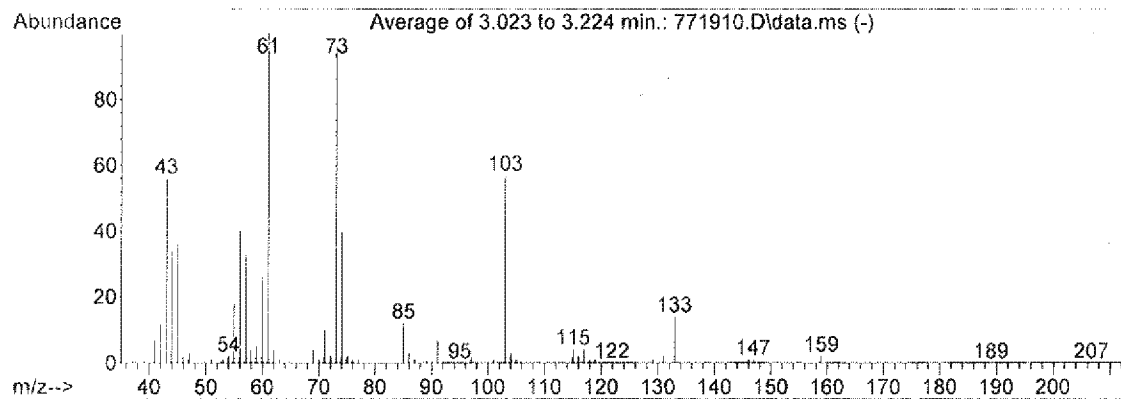
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.214 | 497068 | 7.96 | 14.52 |
| 5.607 | 526511 | 8.43 | 15.38 |
| 5.866 | 266490 | 4.27 | 7.79 |
| 5.946 | 3422257 | 54.80 | 100.00 |
| 6.407 | 1532774 | 24.54 | 44.79 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : XXXXXXXXXX
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.21 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 80 |
| | | Sorbitol | 000050-70-4 | 72 |
| | | Sorbitol | 000050-70-4 | 72 |

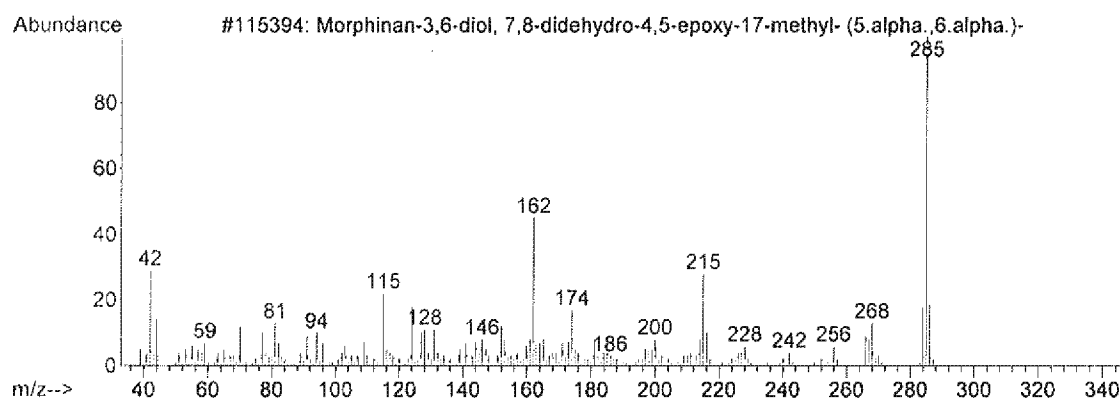
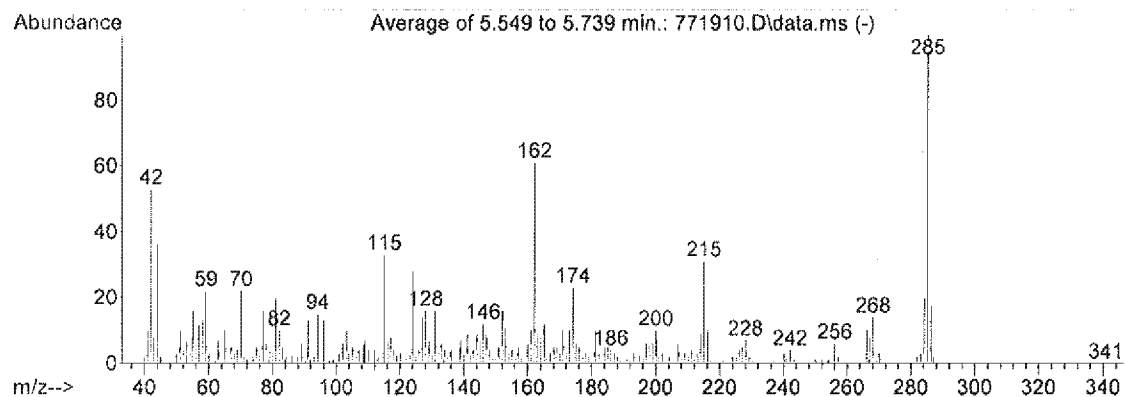


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

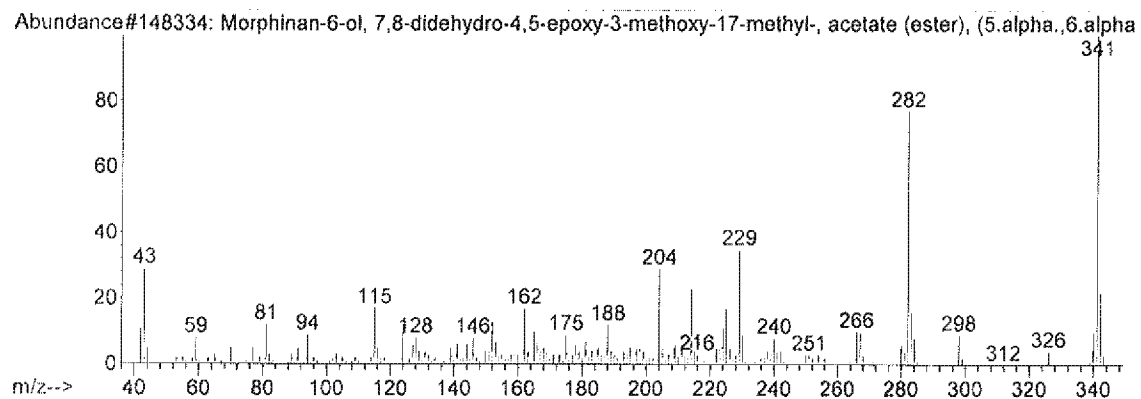
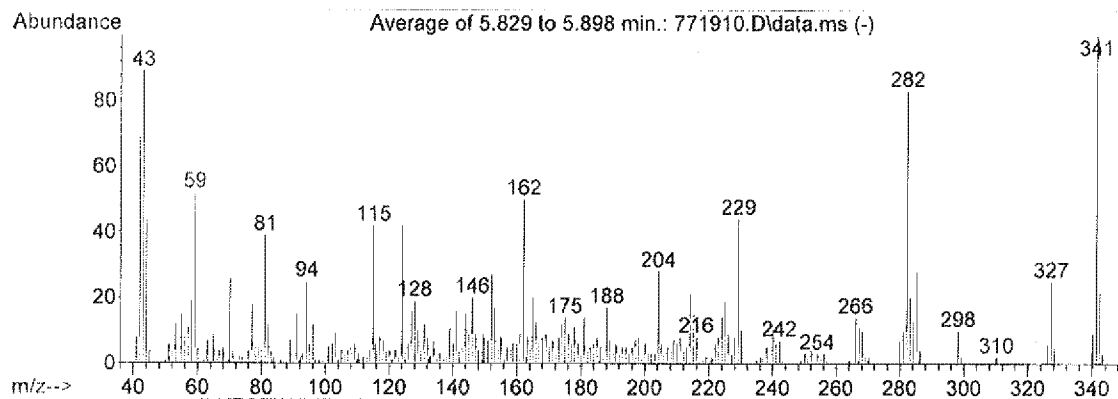


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : XXXXXXXXXX
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Acetylcodein | 1000153-00-2 | 95 |

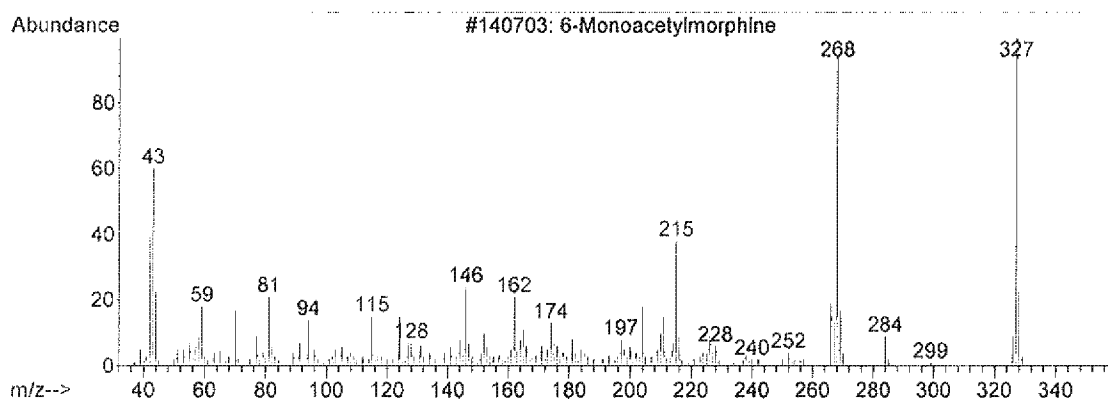
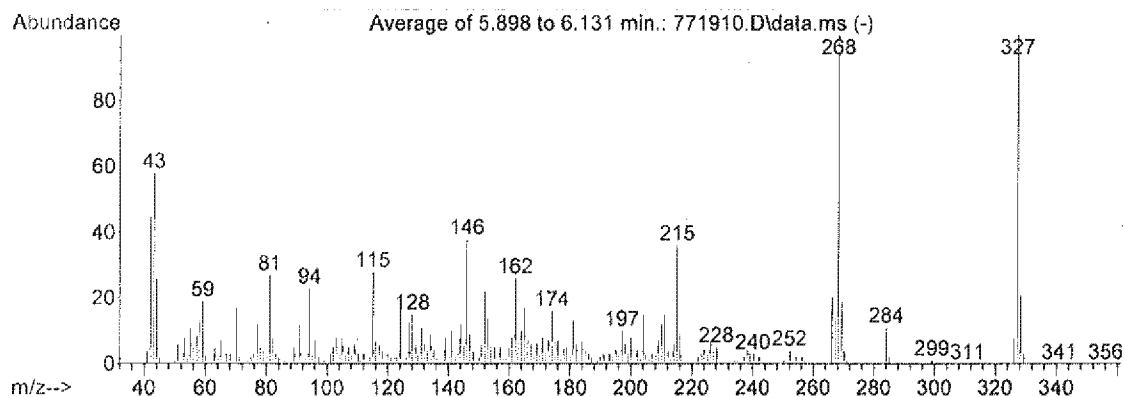


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

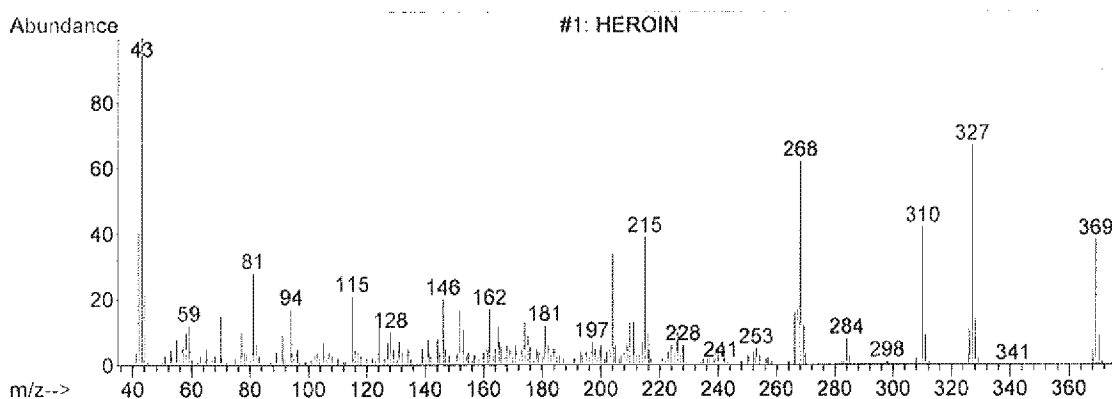
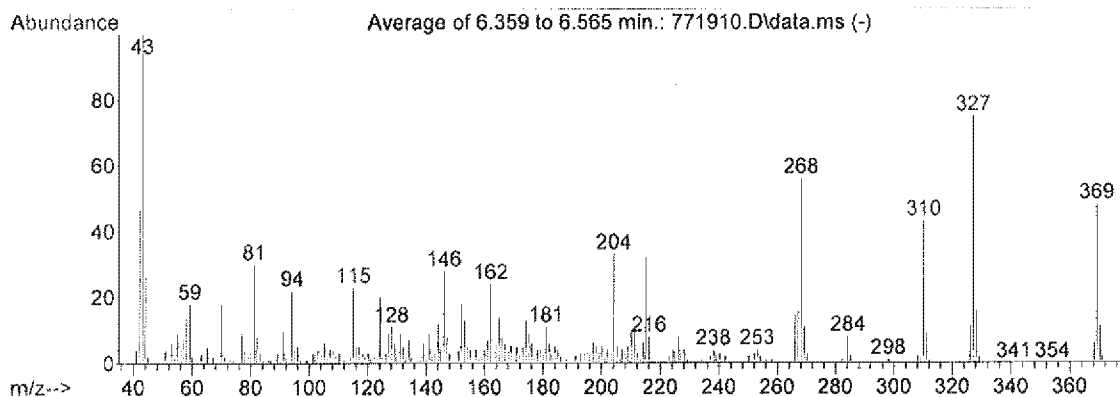


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771910.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:41
Sample Name : XXXXXXXXXX
Submitted by : XXXXXXXXXX
Vial Number : 10
AcquisitionMeth: DRUGS.M
Integrator : RTE

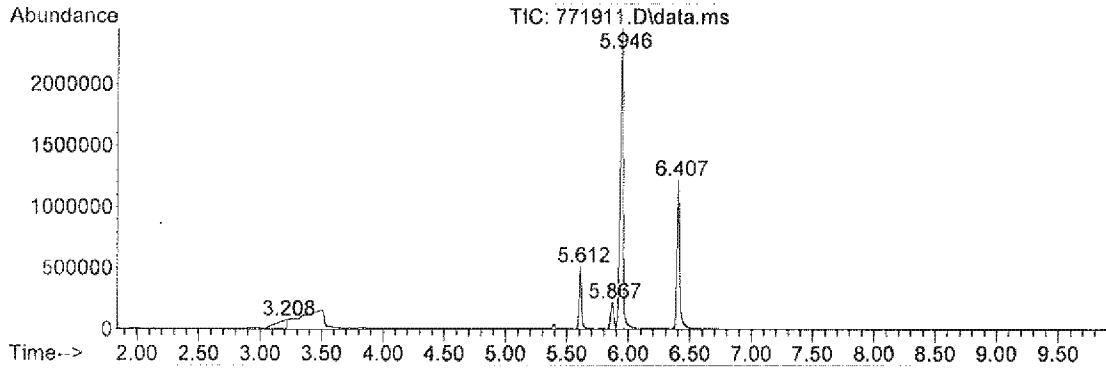
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | JWH-073 | 208987-48-8 | 2 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE



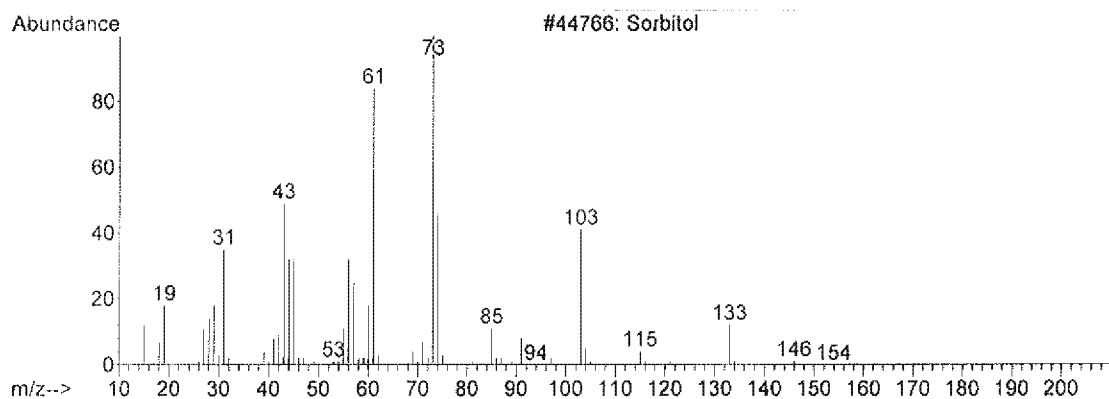
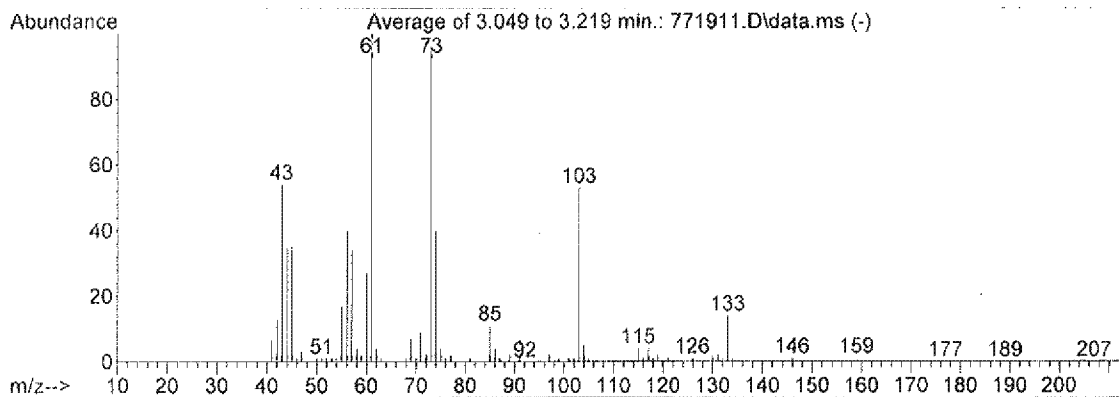
| Ret. Time | Area | Area % | Ratio % |
|-----------|---------|--------|---------|
| 3.208 | 404964 | 5.32 | 9.62 |
| 5.612 | 713169 | 9.37 | 16.94 |
| 5.867 | 351629 | 4.62 | 8.35 |
| 5.946 | 4210108 | 55.33 | 100.00 |
| 6.407 | 1928628 | 25.35 | 45.81 |

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 1 | 3.21 | C:\Database\NIST05a.L | | |
| | | Sorbitol | 000050-70-4 | 87 |
| | | Sorbitol | 000050-70-4 | 86 |
| | | D-Mannitol | 000069-65-8 | 83 |



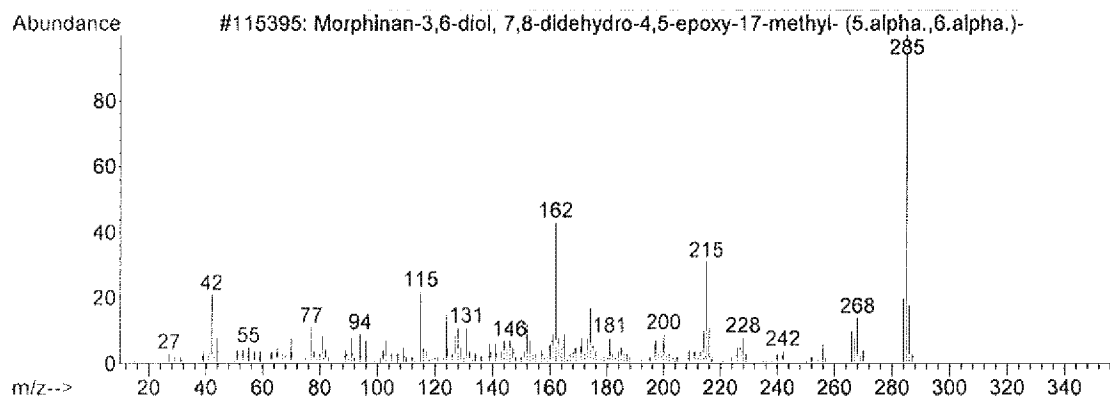
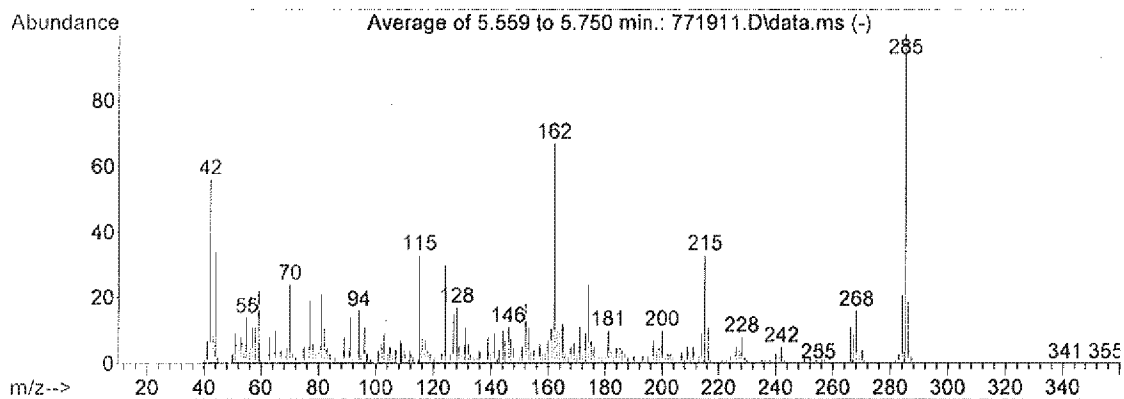
Area Percent / Library Search Report

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
 Operator : KAC
 Date Acquired : 15 Feb 2011 10:54
 Sample Name : XXXXXXXXXX
 Submitted by : ASD
 Vial Number : 11
 AcquisitionMeth: DRUGS.M
 Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
 C:\Database\NIST05a.L Minimum Quality: 80
 C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|-------------|------|
| 2 | 5.61 | C:\Database\NIST05a.L | | |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |
| | | Morphinan-3,6-diol, 7,8-didehydro-4 | 000057-27-2 | 99 |

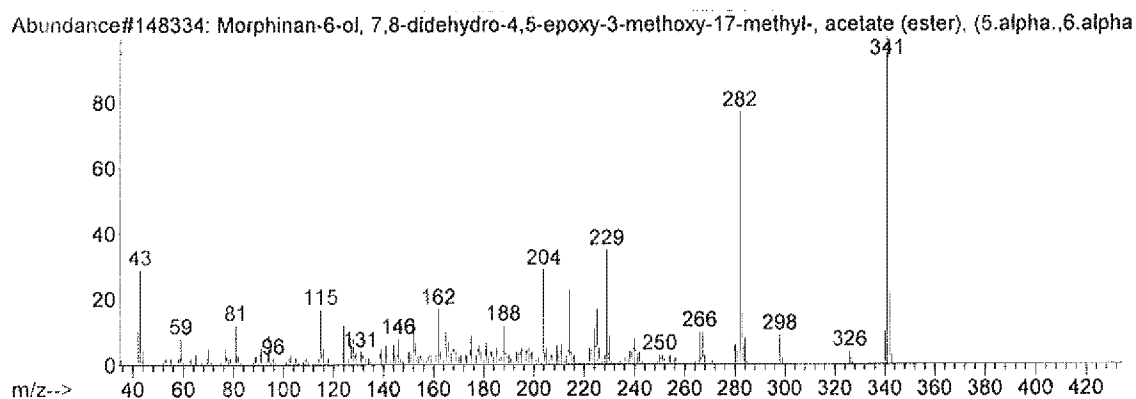
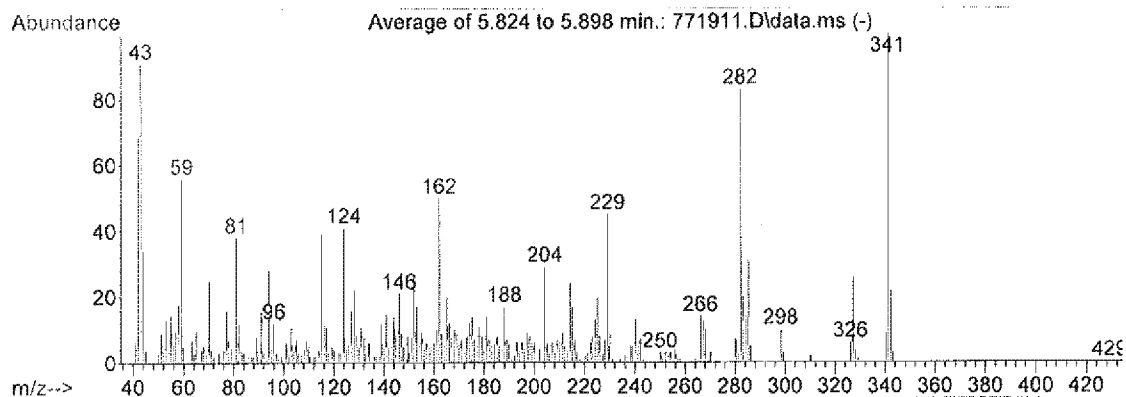


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : XXXXXXXXXX
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------------------------|--------------|------|
| 3 | 5.87 | C:\Database\NIST05a.L | | |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 99 |
| | | Morphinan-6-ol, 7,8-didehydro-4,5-e | 006703-27-1 | 96 |
| | | Acetylcodein | 1000153-00-2 | 95 |

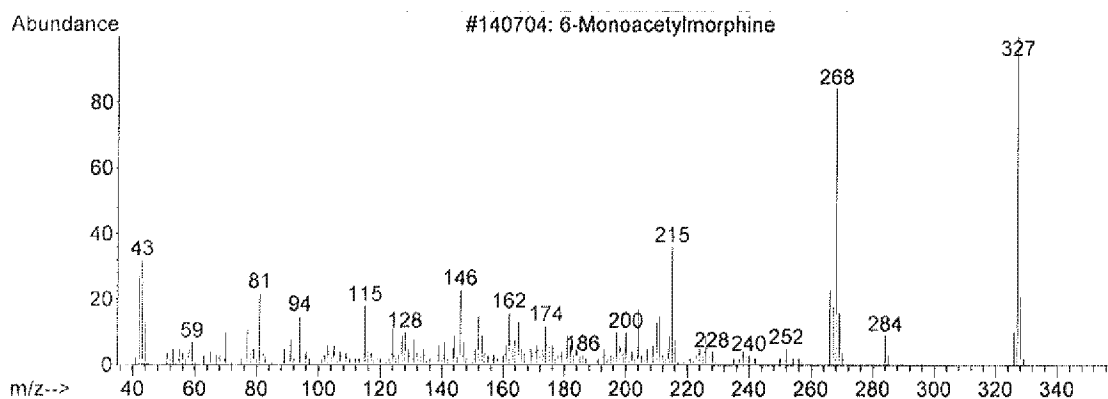
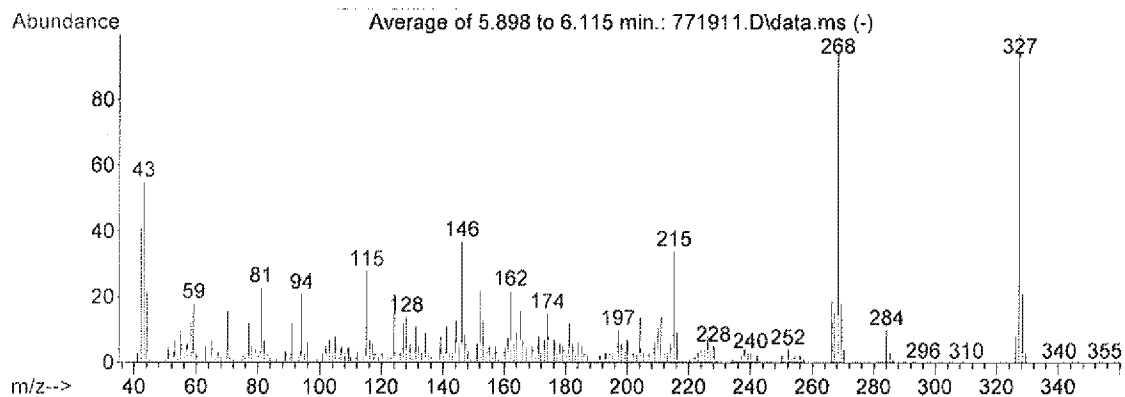


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------|-------------|------|
| 4 | 5.95 | C:\Database\NIST05a.L | | |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |
| | | 6-Monoacetylmorphine | 002784-73-8 | 99 |

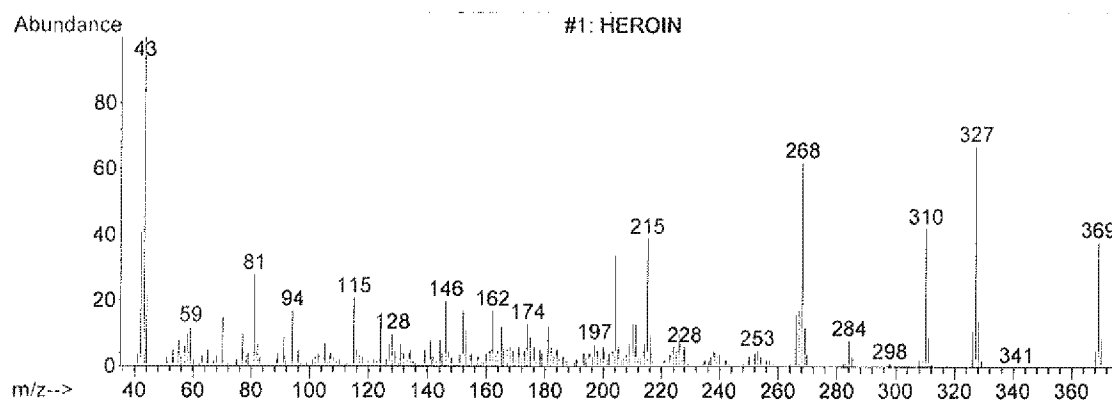
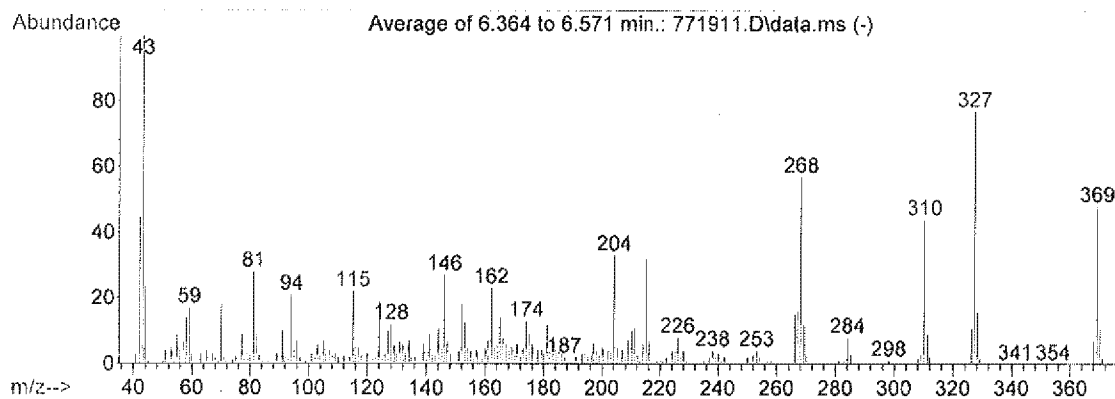


Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771911.D
Operator : KAC
Date Acquired : 15 Feb 2011 10:54
Sample Name : XXXXXXXXXX
Submitted by : ASD
Vial Number : 11
AcquisitionMeth: DRUGS.M
Integrator : RTE

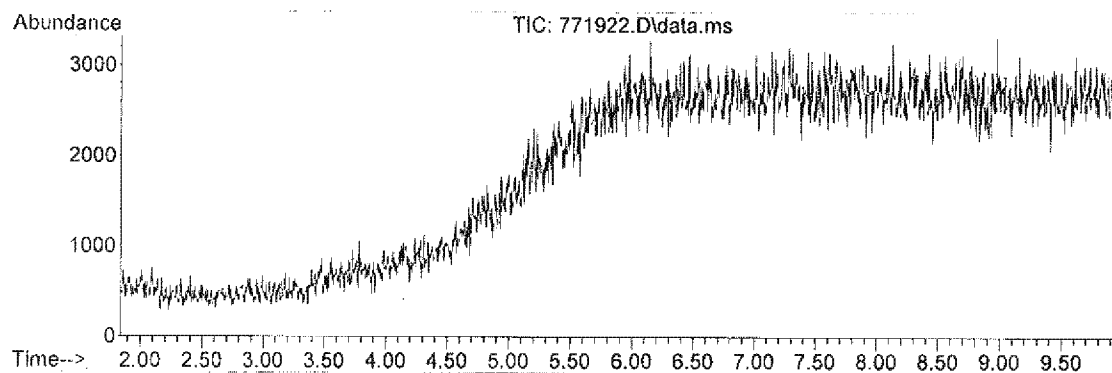
Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-------------------|-------------|------|
| 5 | 6.41 | C:\Database\SLI.L | | |
| | | HEROIN | 000561-27-3 | 99 |
| | | JWH-073 | 208987-48-8 | 2 |



Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771922.D
Operator : KAC
Date Acquired : 15 Feb 2011 13:12
Sample Name : BLANK
Submitted by :
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE

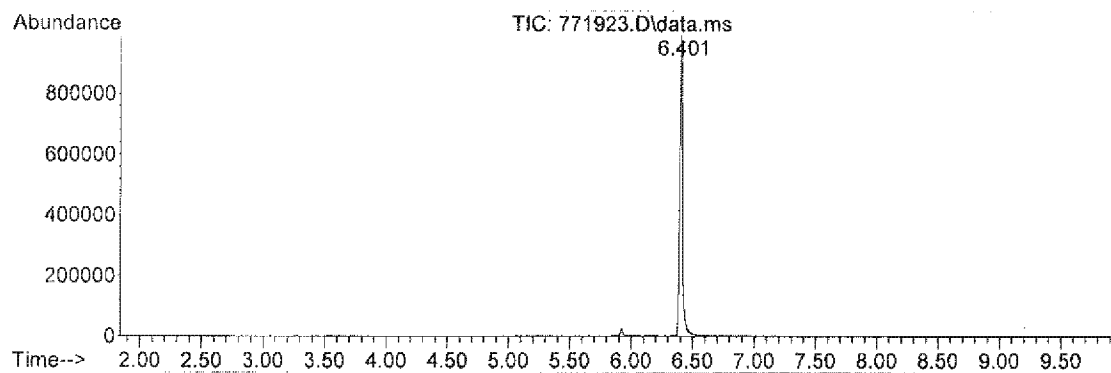


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

NO INTEGRATED PEAKS

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771923.D
Operator : KAC
Date Acquired : 15 Feb 2011 13:25
Sample Name : HEROIN STD
Submitted by :
Vial Number : 23
AcquisitionMeth: DRUGS.M
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

| | | | |
|-------|---------|--------|--------|
| 6.401 | 1598308 | 100.00 | 100.00 |
|-------|---------|--------|--------|

Information from Data File:

File Name : F:\Q1-2011\System7\02_15_11\771923.D
Operator : KAC
Date Acquired : 15 Feb 2011 13:25
Sample Name : HEROIN STD
Submitted by :
Vial Number : 23
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80
C:\Database\NIST05a.L Minimum Quality: 80
C:\Database\PMW_TOX2.L

| PK# | RT | Library/ID | CAS# | Qual |
|-----|------|-----------------------------|-------------|------|
| 1 | 6.40 | C:\Database\SLI.L HEROIN | 000561-27-3 | 99 |

